6" Belt and 12" Disc Abrasive Finishing Machine

(Model 31-735)

INSTRUCTION MANUAL

PART NO. 913180 - 10-13-03
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DELTA® INDUSTRIAL

To learn more about DELTA MACHINERY
visit our website at: **www.deltamachinery.com.**

For Parts, Service, Warranty or other Assistance,

please call 1-800-223-7278 (In Canada call 1-800-463-3582).

SAFETY GUIDELINES - DEFINITIONS

This manual contains information that is important for you to know and understand. This information relates to protecting YOUR SAFETY and PREVENTING EQUIPMENT PROBLEMS. To help you recognize this information, we use the symbols to the right. Please read the manual and pay attention to these sections.

⚠DANGER Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠WARNING Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠CAUTION Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION Used without the safety alert symbol indicates potentially hazardous situation which, if not avoided, may result in property damage.

⚠WARNING **SOME DUST CREATED BY POWER SANDING, SAWING, GRINDING, DRILLING, AND OTHER CONSTRUCTION ACTIVITIES** contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

· lead from lead-based paints,
· crystalline silica from bricks and cement and other masonry products, and
· arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, always wear **MSHA/NIOSH** approved, properly fitting face mask or respirator when using such tools.

GENERAL SAFETY RULES

⚠WARNING **READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT. Failure to follow all instructions listed below, may result in electric shock, fire, and/or serious personal injury or property damage.**

IMPORTANT SAFETY INSTRUCTIONS

Woodworking can be dangerous if safe and proper operating procedures are not followed. As with all machinery, there are certain hazards involved with the operation of the product. Using the machine with respect and caution will considerably lessen the possibility of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator may result. Safety equipment such as guards, push sticks, hold-downs, featherboards, goggles, dust masks and hearing protection can reduce your potential for injury. But even the best guard won't make up for poor judgment, carelessness or inattention. Always use common sense and exercise caution in the workshop. If a procedure feels dangerous, don't try it. Figure out an alternative procedure that feels safer. **REMEMBER:** Your personal safety is your responsibility. For additional information please visit our website **www.deltamachinery.com.**

⚠WARNING This machine was designed for certain applications only. Delta Machinery strongly recommends that this machine not be modified and/or used for any application other than that for which it was designed. If you have any questions relative to a particular application, **DO NOT** use the machine until you have first contacted Delta to determine if it can or should be performed on the product.

Technical Service Manager
Delta Machinery
4825 Highway 45 North
Jackson, TN 38305
(IN CANADA: 505 SOUTHGATE DRIVE, GUELPH, ONTARIO N1H 6M7)

⚠WARNING FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY.

1. **FOR YOUR OWN SAFETY, READ THE INSTRUCTION MANUAL BEFORE OPERATING THE MACHINE.** Learning the machine's application, limitations, and specific hazards will greatly minimize the possibility of accidents and injury.
2. **USE CERTIFIED SAFETY EQUIPMENT.** Eye protection should comply with ANSI Z87.1 standards, hearing protection should comply with ANSI S3.19 standards, and dust mask protection should comply with MSHA/NIOSH certified respirator standards. Splinters, air-borne debris, and dust can cause irritation, injury, and/or illness.
3. **DRESS PROPERLY.** Do not wear tie, gloves, or loose clothing. Remove watch, rings, and other jewelry. Roll up your sleeves. Clothing or jewelry caught in moving parts can cause injury.
4. **DO NOT USE THE MACHINE IN A DANGEROUS ENVIRONMENT.** The use of power tools in damp or wet locations or in rain can cause shock or electrocution. Keep your work area well-lit to prevent tripping or placing arms, hands, and fingers in danger.
5. **MAINTAIN ALL TOOLS AND MACHINES IN PEAK CONDITION.** Keep tools sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories. Poorly maintained tools and machines can further damage the tool or machine and/or cause injury.
6. **CHECK FOR DAMAGED PARTS.** Before using the machine, check for any damaged parts. Check for alignment of moving parts, binding of moving parts, breakage of parts, and any other conditions that may affect its operation. A guard or any other part that is damaged **should be properly repaired or replaced.** Damaged parts can cause further damage to the machine and/or injury.
7. **KEEP THE WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
8. **KEEP CHILDREN AND VISITORS AWAY.** Your shop is a potentially dangerous environment. Children and visitors can be injured.
9. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Make sure that the switch is in the "OFF" position before plugging in the power cord. In the event of a power failure, move the switch to the "OFF" position. An accidental start-up can cause injury.
10. **USE THE GUARDS.** Check to see that all guards are in place, secured, and working correctly to prevent injury.
11. **REMOVE ADJUSTING KEYS AND WRENCHES BEFORE STARTING THE MACHINE.** Tools, scrap pieces, and other debris can be thrown at high speed, causing injury.
12. **USE THE RIGHT MACHINE.** Don't force a machine or an attachment to do a job for which it was not designed. Damage to the machine and/or injury may result.
13. **USE RECOMMENDED ACCESSORIES.** The use of accessories and attachments not recommended by Delta may cause damage to the machine or injury to the user.
14. **USE THE PROPER EXTENSION CORD.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. See the Extension Cord Chart for the correct size depending on the cord length and nameplate ampere rating. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.
15. **SECURE THE WORKPIECE.** Use clamps or a vise to hold the workpiece when practical. Loss of control of a workpiece can cause injury.
16. **FEED THE WORKPIECE AGAINST THE DIRECTION OF THE ROTATION OF THE BLADE, CUTTER, OR ABRASIVE SURFACE.** Feeding it from the other direction will cause the workpiece to be thrown out at high speed.
17. **DON'T FORCE THE WORKPIECE ON THE MACHINE.** Damage to the machine and/or injury may result.
18. **DON'T OVERREACH.** Loss of balance can make you fall into a working machine, causing injury.
19. **NEVER STAND ON THE MACHINE.** Injury could occur if the tool tips, or if you accidentally contact the cutting tool.
20. **NEVER LEAVE THE MACHINE RUNNING UNATTENDED. TURN THE POWER OFF.** Don't leave the machine until it comes to a complete stop. A child or visitor could be injured.
21. **TURN THE MACHINE "OFF", AND DISCONNECT THE MACHINE FROM THE POWER SOURCE** before installing or removing accessories, before adjusting or changing set-ups, or when making repairs. An accidental start-up can cause injury.
22. **MAKE YOUR WORKSHOP CHILDPROOF WITH PADLOCKS, MASTER SWITCHES, OR BY REMOVING STARTER KEYS.** The accidental start-up of a machine by a child or visitor could cause injury.
23. **STAY ALERT, WATCH WHAT YOU ARE DOING, AND USE COMMON SENSE. DO NOT USE THE MACHINE WHEN YOU ARE TIRED OR UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR MEDICATION.** A moment of inattention while operating power tools may result in injury.
24. **THE DUST GENERATED** by certain woods and wood products can be injurious to your health. Always operate machinery in well-ventilated areas, and provide for proper dust removal. Use wood dust collection systems whenever possible.

ADDITIONAL SAFETY RULES FOR ABRASIVE FINISHING MACHINES

⚠WARNING **FAILURE TO FOLLOW THESE RULES MAY RESULT IN SERIOUS PERSONAL INJURY.**

1. **DO NOT OPERATE THIS MACHINE** until it is completely assembled and installed according to the instructions. A machine incorrectly assembled can cause serious injury.
2. **OBTAIN ADVICE** from your supervisor, instructor, or another qualified person if you are not thoroughly familiar with the operation of this machine. Knowledge is safety.
3. **FOLLOW ALL WIRING CODES** and recommended electrical connections to prevent shock or electrocution.
4. **NEVER TURN THE MACHINE "ON"** before clearing the table/work area of all objects (tools, scraps of wood, etc.). Flying debris is dangerous.
5. **NEVER TURN THE MACHINE "ON"** with the workpiece contacting the abrasive surface. Kickback can occur.
6. **THIS MACHINE CAN BE USED FOR PROCESSING WOOD OR METAL PRODUCTS:** However, combining both wood dust and metal filings can create a fire hazard. In addition combining aluminum dust with metal dust can create a fire hazard. Before processing different types of materials, such as wood, steel, and aluminum, clean machine and dust collector to avoid a fire hazard. **DO NOT** sand or polish magnesium. It could catch on fire.
7. **COVER THE POWER TAKE-OFF SHAFT** when not using accessories. Unguarded rotating shafts can create an entanglement hazard which can result in injury.
8. **USE A DUST COLLECTION SYSTEM.** Some types of materials are known to cause disease or other health problems.
9. **CLEAN THE MACHINE** and dust collector thoroughly when processing different types of workpieces (wood, steel, or aluminum). Combining wood and metal dust can create an explosion or fire hazard. **DO NOT SAND OR POLISH MAGNESIUM**. Fire will result.
10. **PREVENT THE WORKPIECE** from contacting the sanding belt before starting the tool. Loss of control of the workpiece is dangerous.
11. **AVOID AWKWARD OPERATIONS AND HAND POSITIONS.** A sudden slip could cause a hand to move into the abrasive disc or belt.
12. **MAINTAIN A MAXIMUM CLEARANCE OF 1/16"** between the table and the abrasive disc. The workpiece could be drawn into the space between the abrasive disc and the table.
13. **SUPPORT THE WORKPIECE** firmly with a miter gauge, backstop, or work table when sanding with a belt. Hold the workpiece firmly. Loss of control of the workpiece can result in injury.
14. **AVOID KICKBACK** by sanding in accordance with the directional arrows. Feed the workpiece against the downward rotation side of the disc or the forward rotation of the belt. Loss of control of the workpiece can result in injury.
15. **DO NOT SAND** very small or very thin workpieces that cannot be safely controlled. Loss of control of the workpiece can result in injury.
16. **PROPERLY SUPPORT LONG OR WIDE WORKPIECES.** Loss of control of the workpiece is dangerous.
17. **NEVER PERFORM LAYOUT, ASSEMBLY, OR SET-UP WORK** on the table/work area when the machine is running. A sudden slip could cause a hand to move into the abrasive surface. Severe injury can result.
18. **TURN THE MACHINE "OFF",** disconnect the machine from the power source, and clean the table/work area before leaving the machine. LOCK THE SWITCH IN THE "OFF" POSITION to prevent unauthorized use. Someone else might accidentally start the machine and cause injury to themselves.
19. **DO NOT** insert fingers or foreign objects into the dust intake port. Keep hair, loose clothing, fingers, and all body parts away from openings and moving parts of the dust collector.
20. **DO NOT** use with any opening blocked; keep openings free of dust, lint, hair, and anything that may reduce air flow.
21. **NEVER** operate the dust collector without the dust collection bag in place and properly secured.
22. **ALWAYS** use intake caps to cover unused dust ports when the dust collector is not in use.
23. **PERIODICALLY INSPECT** dust bag for any cuts, rips or tears. **NEVER** operate the dust collector with a damaged bag or vacuum hose.
24. **ADDITIONAL INFORMATION** regarding the safe and proper operation of power tools (i.e. a safety video) is available from the Power Tool Institute, 1300 Sumner Avenue, Cleveland, OH 44115-2851 (www.powertoolinstitute.com). Information is also available from the National Safety Council, 1121 Spring Lake Drive, Itasca, IL 60143-3201. Please refer to the American National Standards Institute ANSI 01.1 Safety Requirements for Woodworking Machines and the U.S. Department of Labor OSHA 1910.213 Regulations.

SAVE THESE INSTRUCTIONS.
Refer to them often and use them to instruct others.

POWER CONNECTIONS

A separate electrical circuit should be used for your machines. This circuit should not be less than #12 wire and should be protected with a 20 Amp time lag fuse. If an extension cord is used, use only 3-wire extension cords which have 3-prong grounding type plugs and matching receptacle which will accept the machine's plug. Before connecting the machine to the power line, make sure the switch is in the "OFF" position and be sure that the electric current is of the same characteristics as indicated on the machine. All line connections should make good contact. Running on low voltage will damage the machine.

⚠DANGER DO NOT EXPOSE THE MACHINE TO RAIN OR OPERATE THE MACHINE IN DAMP LOCATIONS.

MOTOR SPECIFICATIONS

Your machine is wired for 240, or 200/460 volt, 60 HZ alternating current. Before connecting the machine to the power source, make sure the switch is in the "OFF" position.

GROUNDING INSTRUCTIONS

⚠DANGER THIS MACHINE MUST BE GROUNDED WHILE IN USE TO PROTECT THE OPERATOR FROM ELECTRIC SHOCK.

1. All grounded, cord-connected machines:

In the event of a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This machine is equipped with an electric cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into a matching outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided - if it will not fit the outlet, have the proper outlet installed by a qualified electrician.

Improper connection of the equipment-grounding conductor can result in risk of electric shock. The conductor with insulation having an outer surface that is green with or without yellow stripes is the equipment-grounding conductor. If repair or replacement of the electric cord or plug is necessary, do not connect the equipment-grounding conductor to a live terminal.

Check with a qualified electrician or service personnel if the grounding instructions are not completely understood, or if in doubt as to whether the machine is properly grounded.

Use only 3-wire extension cords that have 3-prong grounding type plugs and matching 3-conductor receptacles that accept the machine's plug, as shown in Fig. A.

Repair or replace damaged or worn cord immediately.

2. Grounded, cord-connected machines intended for use on a supply circuit having a nominal rating between 150 - 250 volts, inclusive:

If the machine is intended for use on a circuit that has an outlet that looks like the one illustrated in Fig. C, the machine will have a grounding plug that looks like the plug illustrated in Fig. C. Make sure the machine is connected to an outlet having the same configuration as the plug. No adapter is available or should be used with this machine. If the machine must be re-connected for use on a different type of electric circuit, the re-connection should be made by qualified service personnel; and after re-connection, the machine should comply with all local codes and ordinances.

⚠DANGER IN ALL CASES, MAKE CERTAIN THE RECEPTACLE IN QUESTION IS PROPERLY GROUNDED. IF YOU ARE NOT SURE HAVE A QUALIFIED ELECTRICIAN CHECK THE RECEPTACLE.

3. Permanently connected machines:

If the machine is intended to be permanently connected, the machine should be connected to a grounded metal permanent wiring system, or to a system having an equipment-grounding conductor.

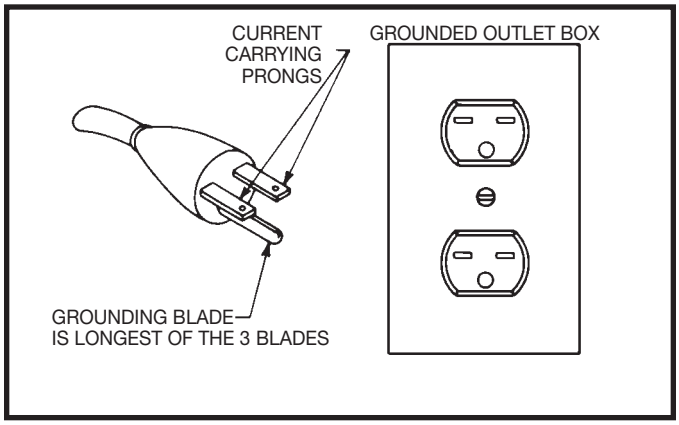

Fig. A

THREE PHASE OPERATION

If the motor on your machine is wired for 200V, 230V, or 460V, three phase, the necessary wiring from the starter to the power should be completed by a qualified electrician.

EXTENSION CORDS

CAUTION Use proper extension cords. Make sure your extension cord is in good condition and is a 3-wire extension cord which has a 3-prong grounding type plug and matching receptacle which will accept the machine's plug. When using an extension cord, be sure to use one heavy enough to carry the current of the machine. An undersized cord will cause a drop in line voltage, resulting in loss of power and overheating. Fig. D, shows the correct gauge to use depending on the cord length. If in doubt, use the next heavier gauge. The smaller the gauge number, the heavier the cord.

MINIMUM GAUGE EXTENSION CORD

RECOMMENDED SIZES FOR USE WITH STATIONARY ELECTRIC MACHINES

Ampere Rating	Volts	Total Length of Cord in Feet	Gauge of Extension Cord
0-6	240	up to 50	18 AWG
0-6	240	50-100	16 AWG
0-6	240	100-200	16 AWG
0-6	240	200-300	14 AWG
6-10	240	up to 50	18 AWG
6-10	240	50-100	16 AWG
6-10	240	100-200	14 AWG
6-10	240	200-300	12 AWG
10-12	240	up to 50	16 AWG
10-12	240	50-100	16 AWG
10-12	240	100-200	14 AWG
10-12	240	200-300	12 AWG
12-16	240	up to 50	14 AWG
12-16	240	50-100	12 AWG
12-16	240	GREATER THAN 100 FEET NOT RECOMMENDED	

Fig. D

FUNCTIONAL DESCRIPTION

FOREWORD

Delta Model 31-735 is an abrasive finishing machine. The Delta Model 31-735 includes two tilting tables, 4½" arbor pulley, V-belt, 100-grit aluminum oxide belt and 80-grit aluminum oxide disc.

UNPACKING AND CLEANING

Carefully unpack the machine and all loose items from the shipping container. Remove the protective coating from all unpainted surfaces. This coating may be removed with a soft cloth moistened with kerosene (do not use acetone, gasoline or lacquer thinner for this purpose). After cleaning, cover the unpainted surfaces with a good quality household floor paste wax.

CARTON CONTENTS

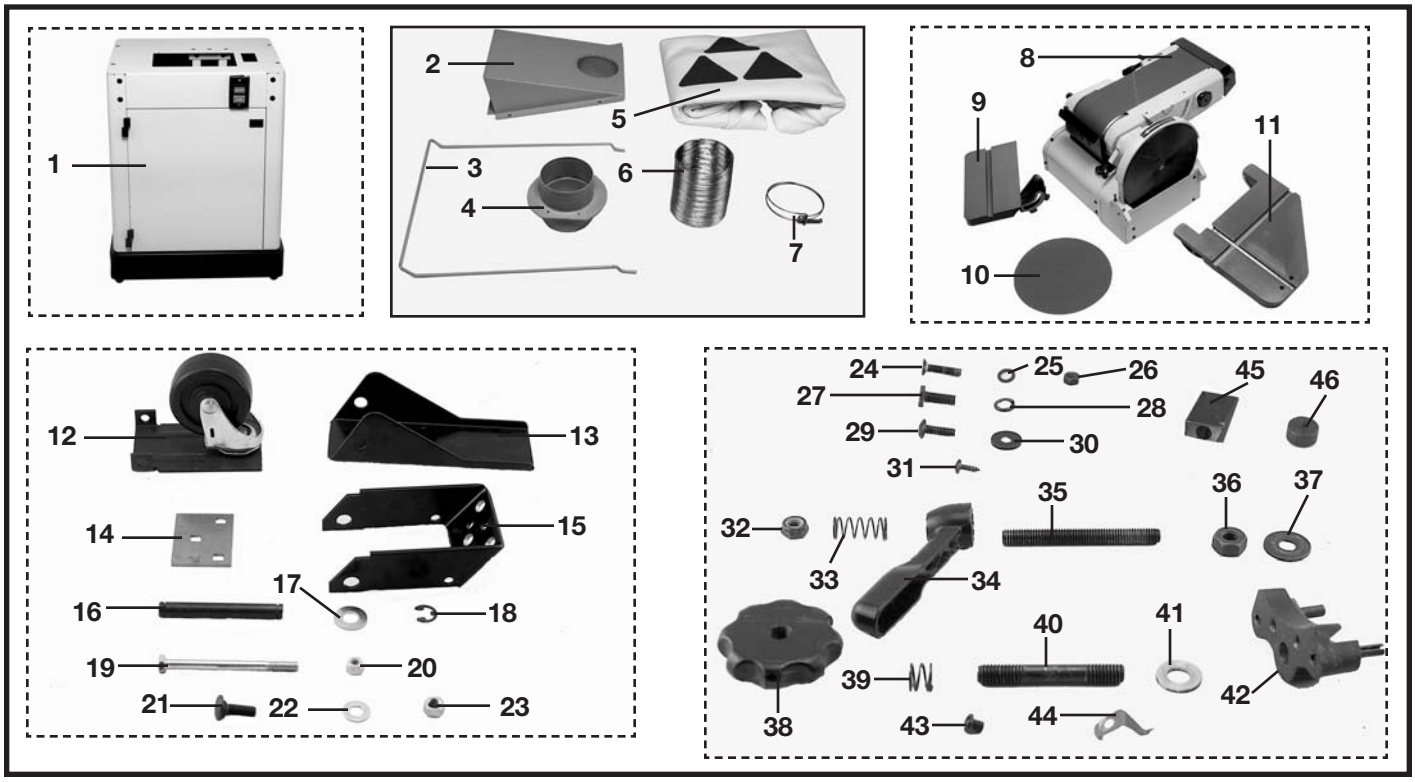

Fig. 1

1. Cabinet
2. Dust Baffle
3. Bag Hanger
4. Dust Chute
5. Dust Bag
6. Hose (2)
7. Hose Clamp (5)
8. Belt / Disc Sander
9. Belt Sanding Table
10. Abrasive Disc
11. Disc Sanding Table
12. Caster
13. Foot Lever
14. Bracket
15. Pivot Bracket
16. 1/2x4" Pin
17. 1/2" Flat Washer (2)
18. Retaining Ring (2)
19. 5/16-18x4" Hex Head Screw
20. 5/16-18 Lock Nut
21. 3/8-16x1" Carriage Head Bolt (3)
22. 3/8" Flat Washer (3)
23. 3/8-16 Hex Nut (3)
24. 1/4-20x5/8" Flat Head Screw (4)
25. 1/4" Flat Washer (4)
26. 1/4-20 Hex Nut (4)
27. 5/16-18x1/2" Hex Head Screw (4)
28. 5/16" Lockwasher (4)
29. #10-32x3/4" Button Head Screw (4)
30. #10 Flat Washer (4)
31. M4-0.7x12mm Sheet Metal Screw (4)
32. 3/8-16 Lock Nut
33. 1-3/16" Spring
34. Ratchet Lever
35. 3/8-16x3½" Stud
36. 3/8-16 Hex Nut
37. 3/8 Flat Washer
38. Disc Table Lock Handle (2)
39. 1/2" Spring (2)
40. 7/16-18x3" Stud (2)
41. 7/16" Flat Washer (2)
42. Disc Table Clamp (2)
43. 1/4-20x1/4" Round Head Screw
44. Pointer
45. Circle Sanding Stop Block
46. Circle Sanding Guide Pin

ASSEMBLY

⚠WARNING FOR YOUR OWN SAFETY, DO NOT CONNECT THE MACHINE TO THE POWER SOURCE UNTIL THE MACHINE IS COMPLETELY ASSEMBLED AND YOU READ AND UNDERSTAND THE ENTIRE INSTRUCTION MANUAL.

CASTER ASSEMBLY / FOOT LEVER

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**
2. Place the motor cabinet on its side.
3. Align the three holes in the bracket (B) Fig. 2A, with the three holes in the inside of the base (C).

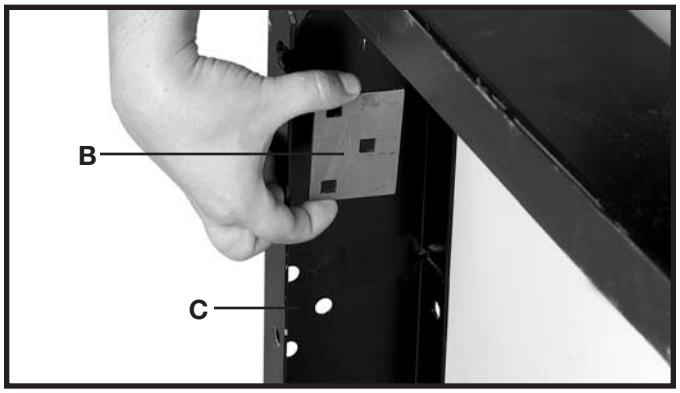

Fig. 2A

4. Align the three holes in the pivot bracket (D) Fig. 2B, with the three holes in the outside of the base (C).
5. Insert a 3/8-16x1" carriage head bolt through the hole in bracket (B) Fig. 2A, the base (C), and the pivot bracket (D) Fig. 2B. Place a 3/8" flat washer on the screw, and thread a 3/8-16 hex nut on the screw and tighten securely. Repeat this process for the two remaining holes.

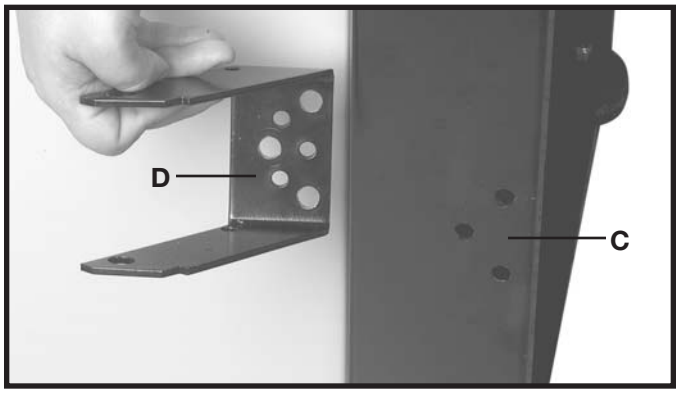

Fig. 2B

6. Align the two holes in the caster assembly (E) Fig. 2C, with the two holes (F) in the pivot bracket.

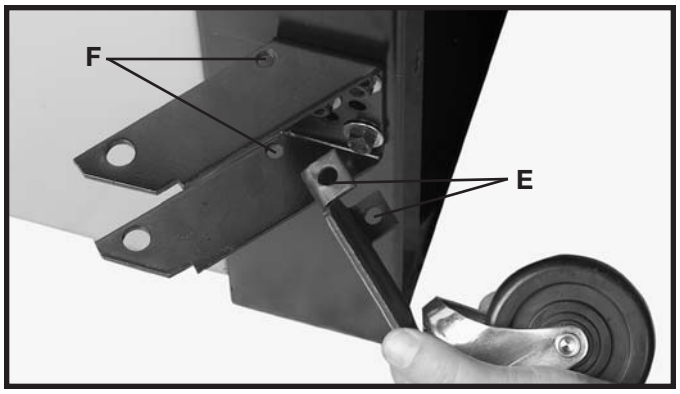

Fig. 2C

7. Insert a 5/16-18x4" hex head screw (G) Fig. 2D, through the hole (F) Fig. 2C, in the pivot bracket, the two holes (E) in the caster assembly and the other hole (F) in the pivot bracket. Thread a 5/16-18 lock nut onto the screw and tighten securely.

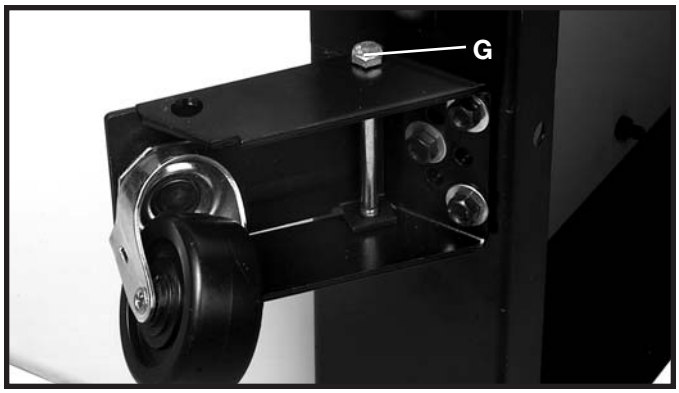

Fig. 2D

8. Align the two holes (H) Fig 2E, in the foot lever, with the two holes (J) in the pivot bracket.

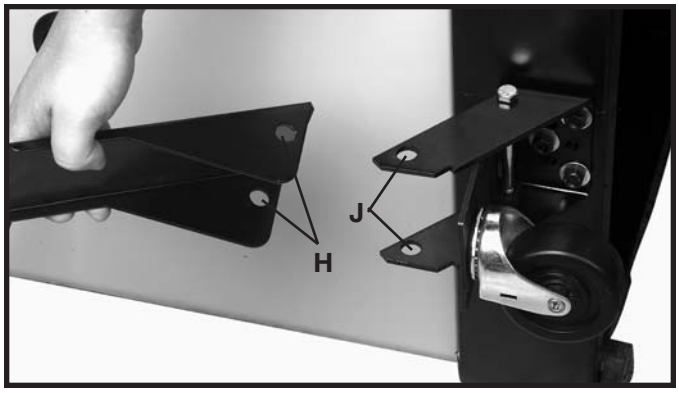

Fig. 2E

9. Assemble foot lever (N) Fig. 2F, to pivot bracket (O), using 1/2"x4" pin (M), two 1/2" flat washers (K), and two retaining rings (P) as shown in Fig. 2F.

10. Stand the motor cabinet up on its base.

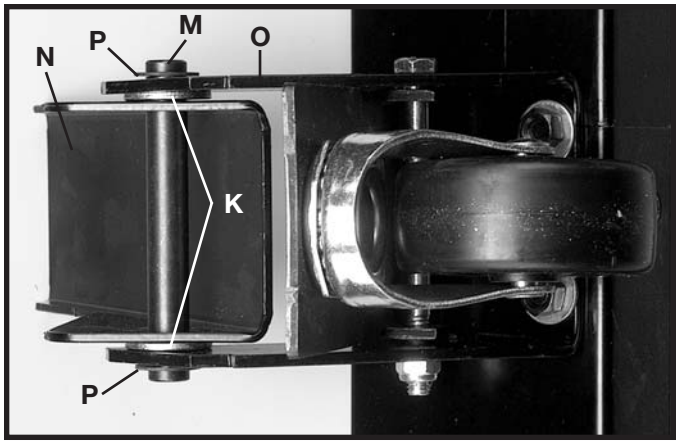

Fig. 2F

DUST BAFFLE

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Remove the two screws (A) Fig. 3, and loosen the two screws (B).

3. Remove the back cover of the cabinet (C) Fig. 3.

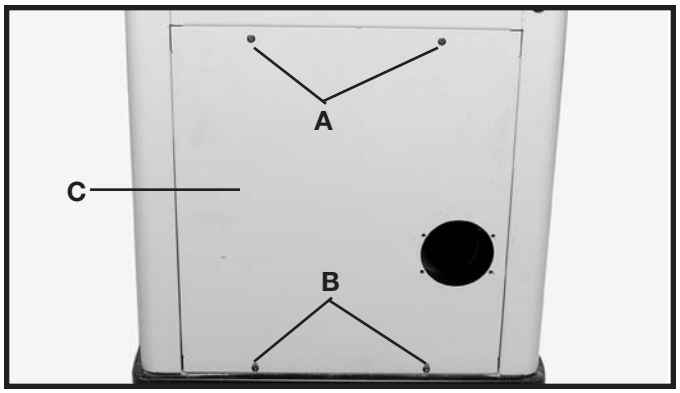

Fig. 3

4. Loosen the four nuts (D) Fig. 4, and lower the motor.

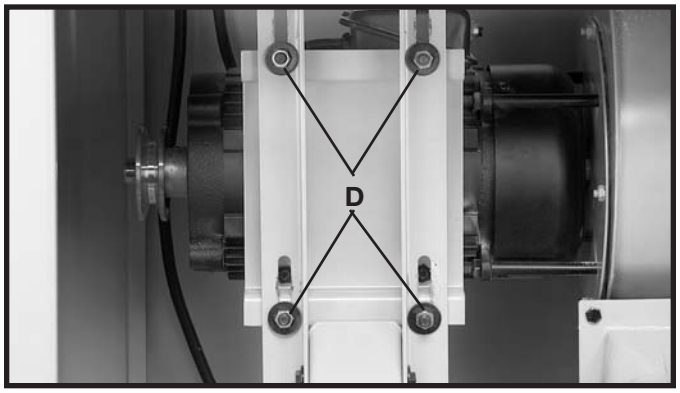

Fig. 4

5. Insert the dust baffle (F) Fig. 5, through the front of the cabinet.

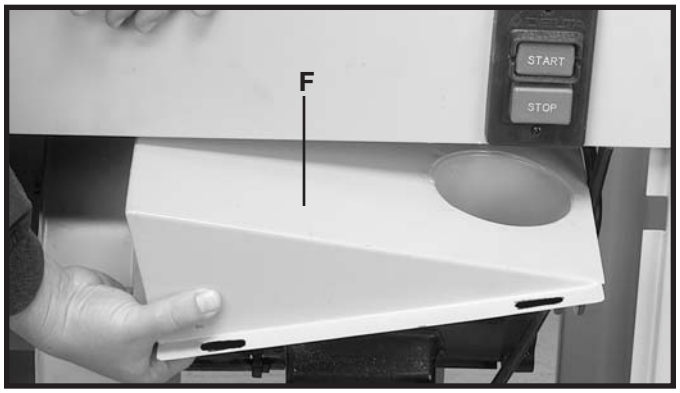

Fig. 5

6. Align the four slots in the dust baffle with the four holes (G) Fig. 6, in the top of the cabinet.

7. Insert a 1/4-20x5/8" flat head screw through hole (G) Fig. 6 in the top of the cabinet and the dust baffle. Place a 1/4" flat washer onto the screw, thread a 1/4-20 hex nut onto the screw, from the inside of the cabinet and tighten securely.

8. Repeat this process for the three remaining holes in the top of the cabinet and the dust baffle.

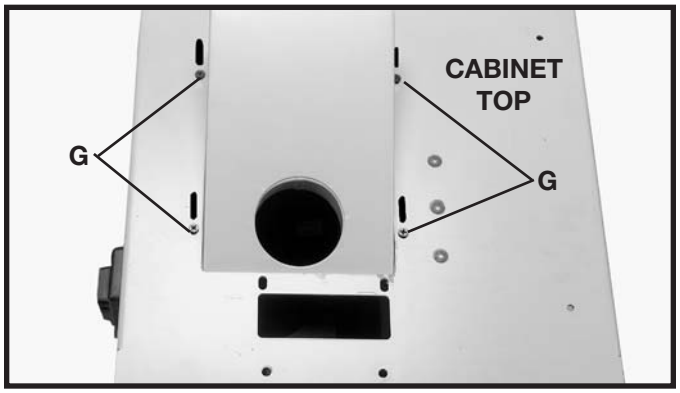

Fig. 6

BELT / DISC SANDER TO CABINET

⚠CAUTION THE BELT / DISC SANDER IS HEAVY, USE TWO OR MORE PEOPLE WHEN PLACING THE BELT / DISC SANDER ON TOP OF THE CABINET.

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Place the Belt/Disc sander on top of the cabinet.

NOTE: MAKE SURE THE DRIVE BELT ON THE DISC/BELT SANDER IS INSERTED THROUGH THE HOLE (A) FIG. 7.

3. Place a 5/16" lock washer onto a 5/16-18x½" hex head screw. Insert the screw, from the inside of the cabinet, through the hole (B) Fig. 7, and thread into the Belt/Disc sander. Tighten the screw securely.

4. Repeat this process for the three remaining holes (B) Fig. 7, in the cabinet and the Belt/Disc sander.

5. Place a #10 washer onto a #10-32x3/4" button head screw. Insert the screw, from the inside of the cabinet, through the slot (C) Fig. 7, in the dust baffle, and cabinet and thread the screw into the Belt/Disc sander. Tighten the screw securely.

6. Repeat this process for the three remaining slots in the dust baffle, cabinet, and the Belt/Disc sander.

7. Fig. 8 shows the Belt/Disc sander attached to the cabinet.

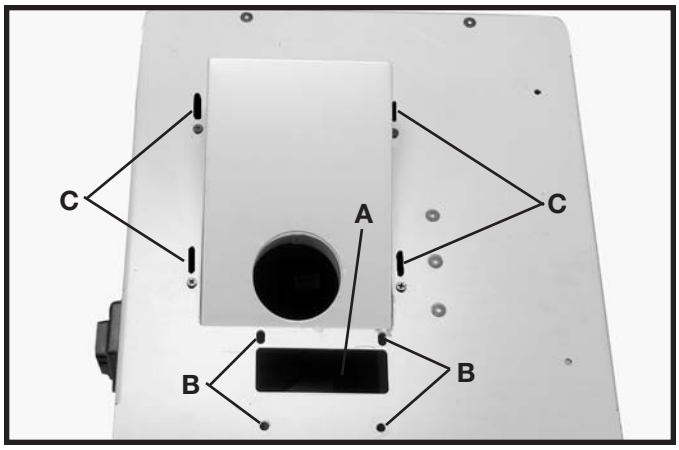

Fig. 7

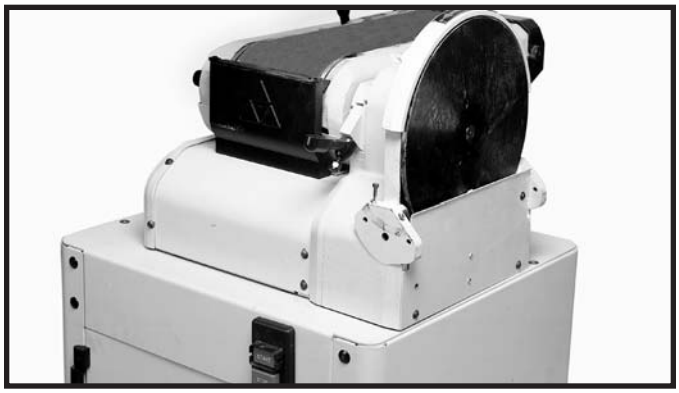
Fig. 8

DUST COLLECTOR INTAKE HOSE

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Place a hose clamp (A) Fig. 9, on each end of hose (B).

3. Slide one end of hose (B) Fig. 10, over the hose port (C) on the dust baffle, from the inside of the cabinet. Tighten the hose clamp around the hose port on the dust baffle.

4. Slide the other end of the hose over the fan intake port (F) Fig. 11, from the inside of the cabinet. Tighten the hose clamp around the fan intake port.

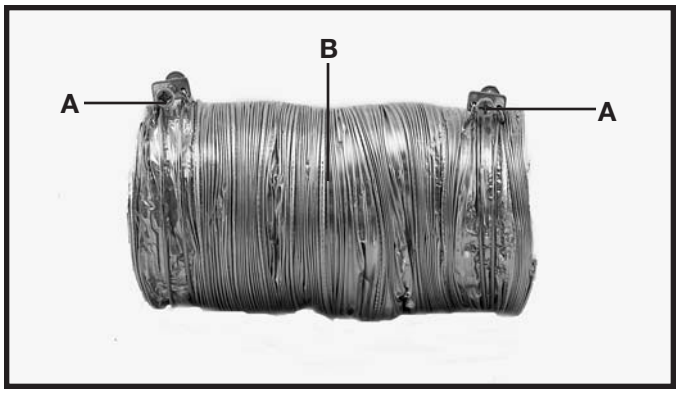

Fig. 9

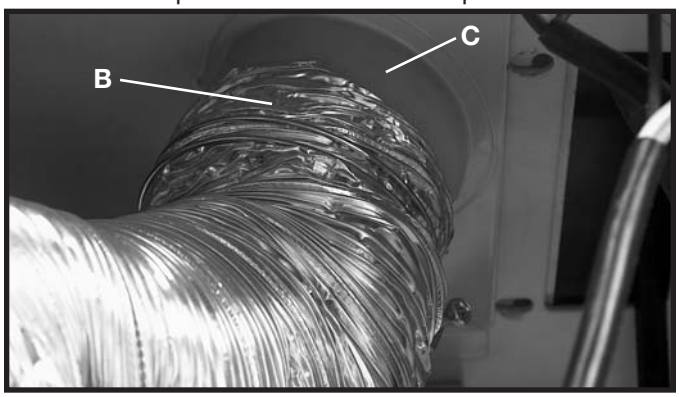

Fig. 10

Fig. 11

BELT TO MOTOR

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Remove the two screws (A) Fig. 12, on top of the disc sander and remove plate (B).

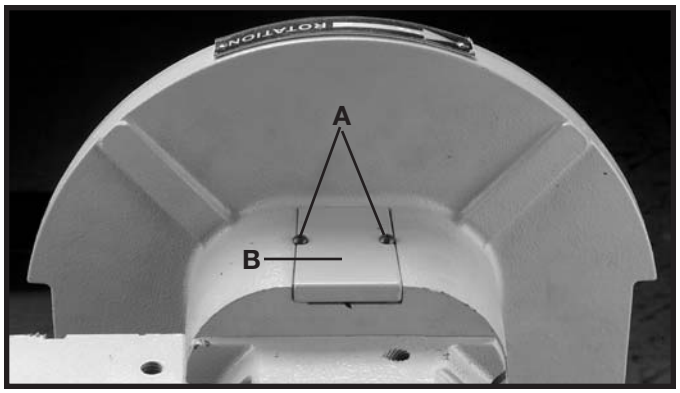

Fig. 12

3. Make sure that the belt (C) Fig. 13, is in the groove of the pulley (D) on the disc sander.

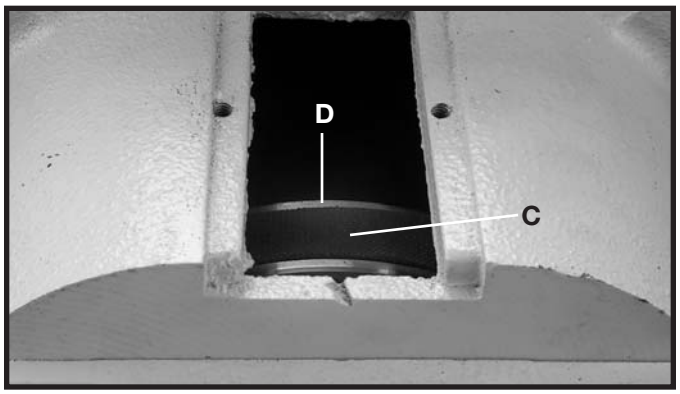

Fig. 13

4. Lift up on motor (F) Fig. 14, and place belt (C) on the motor pulley (G).

5. Slowly release motor (F) Fig. 14, to apply pressure to belt (C).

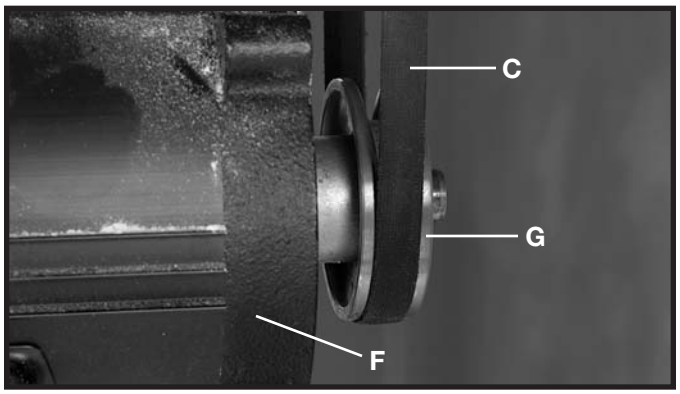

Fig. 14

6. Make sure that the motor is level and tighten hex nuts (H) Fig. 15, to hold the motor in place.

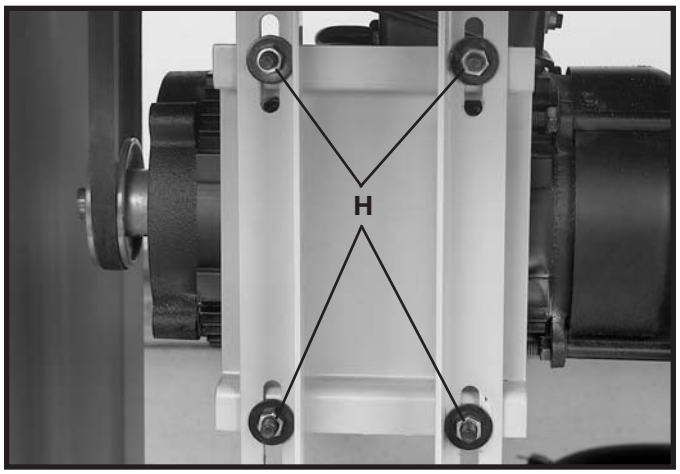

Fig. 15

DUST CHUTE

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Insert the dust chute (A) Fig. 16, through the inside hole of the cabinet back panel (B) that was removed in **STEP 3** of the section **"DUST BAFFLE".**

3. Align the four holes in the dust chute (A) Fig. 17, with the four holes in the back panel (B). Insert a M4-0.7x12mm sheet metal screw (C) Fig. 17, through the back panel (B), and thread the screw into the dust chute and tighten securely.

4. Repeat this process for the three remaining holes in the back panel and dust chute.

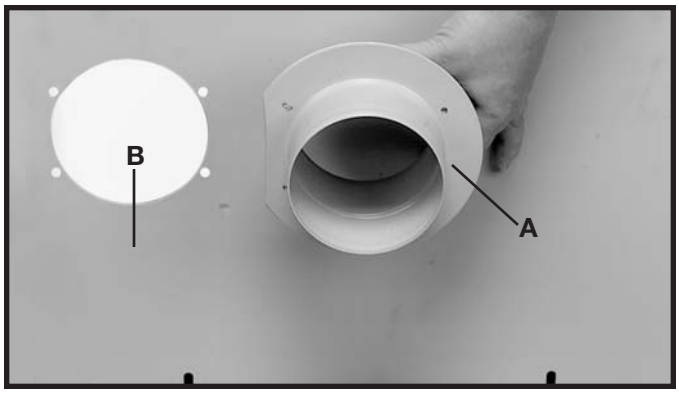

Fig. 16

DUST COLLECTOR OUTTAKE HOSE

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Place a hose clamp (A) Fig. 18, on each end of hose (B).

3. Slide one end of hose (B) Fig. 19, over the dust collector outtake port (C). Tighten the hose clamp (A) around the dust collector outtake port (C).

4. Slide the other end of the hose (B) Fig. 20, over the dust chute (D), on the inside of the back panel of the cabinet. Tighten the hose clamp (A) around the dust chute (D).

5. Replace the back panel of cabinet that was removed in **STEP 3** of the section **"DUST BAFFLE".**

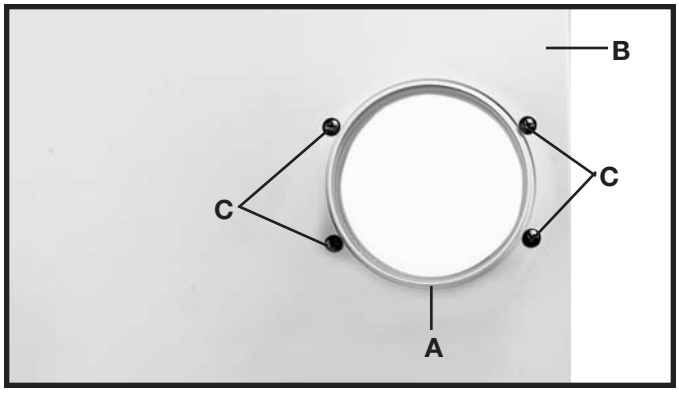

Fig. 17

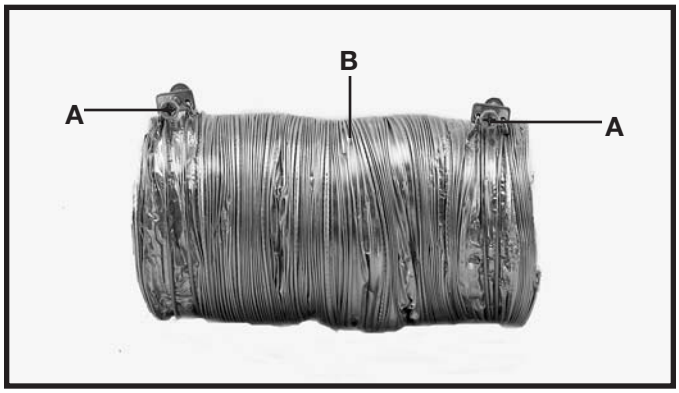

Fig. 18

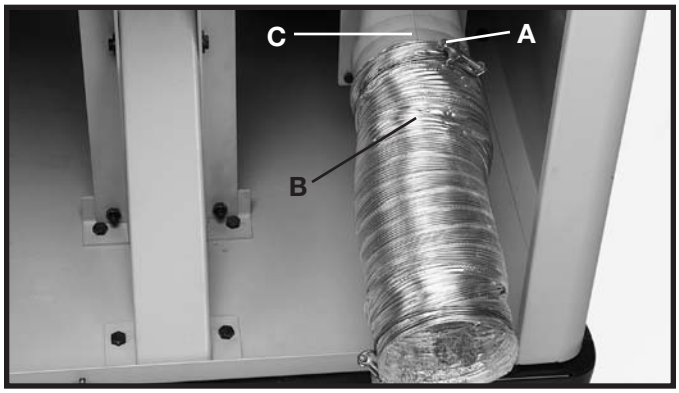

Fig. 19

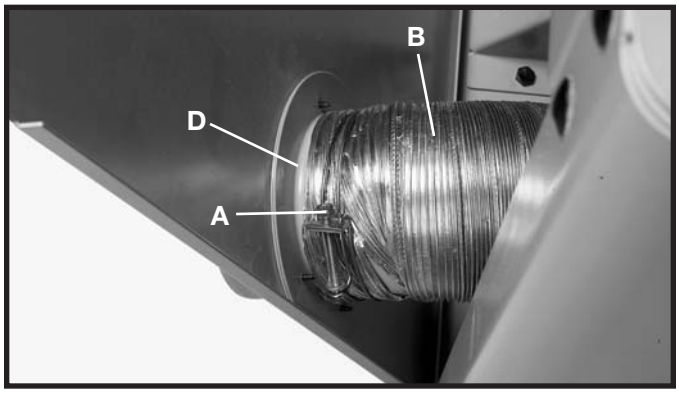

Fig. 20

BELT SANDER TABLE

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Thread a 3/8-16 lock nut (A) Fig. 21, onto a 3/8-16x3½" stud (B).
NOTE: THREAD LOCK NUT FAR ENOUGH SO THAT THE NUT (A) FIG. 12 IS FLUSH OR SLIGHTLY BELOW THE THREADS ON THE STUD.

3. Place a 1-3/16" spring (C) Fig. 21, onto stud (B).

4. Insert sanding ratchet lever (D) Fig. 21, onto stud (B).

5. Thread a 3/8-16 hex nut (E) Fig. 21, onto stud (B).

6. Place a 3/8" flat washer (F) Fig. 21, onto stud (B).

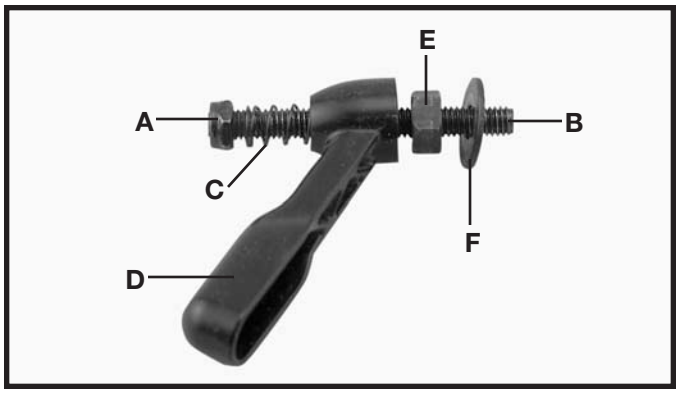

Fig. 21

7. Loosen ratchet lever (H) Fig. 22, and raise the belt sander so that it is in the horizontal position as shown and tighten lock knob (H).

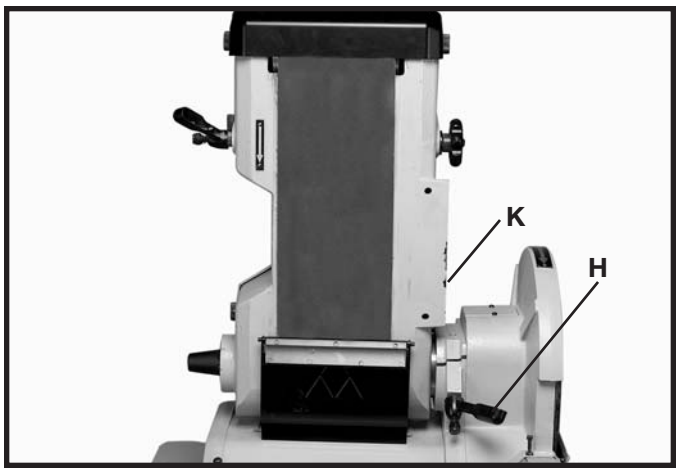

Fig. 22

8. Align the sanding table guide (J) Fig. 23, with cutout (K) Fig. 23, on the side of the sanding belt frame.

9. Thread the sanding ratchet lever / stud assembly (L) Fig. 24, through the sanding table slot (N) Figs. 23 and 24, and into the tapped hole (M) Fig. 23, in the side of the sanding frame.
NOTE: THREAD THE SANDING TABLE RATCHET LEVER / STUD ASSEMBLY APPROXIMATELY 1/2" INTO THE SANDING TABLE FRAME.

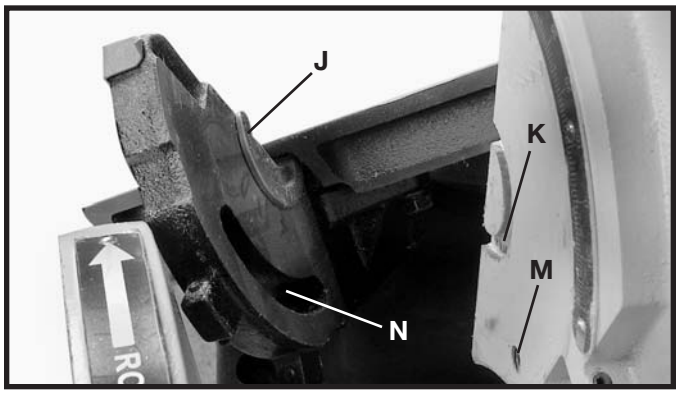

Fig. 23

10. Use the sanding table ratchet lever to thread the hex nut (E) Fig 21, against the sanding table, to hold the sanding table in place.
NOTE: THE RATCHET LEVER (A) FIG. 24 CAN BE REPOSITIONED BY PULLING OUT ON THE HANDLE AND REPOSITIONING IT ON THE NUT LOCATED UNDERNEATH THE HUB OF THE RATCHET LEVER.

⚠WARNING THE EDGE OF THE TABLE MUST BE POSITIONED A MAXIMUM OF 1/16 INCH AWAY FROM THE SANDING BELT TO AVOID TRAPPING THE WORK OR FINGERS BETWEEN THE TABLE AND SANDING BELT.

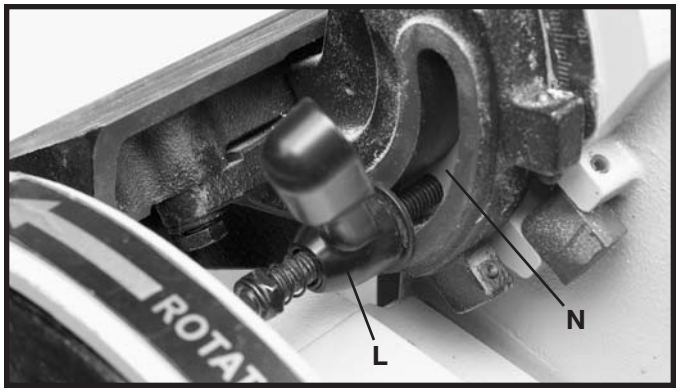

Fig. 24

DISC SANDER TABLE AND POINTER

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Thread the 7/16x3" disc sanding table studs (A) Fig. 25, into the side of the disc sander.

3. Place the disc sander table clamp (B) onto stud (A) as shown in Fig. 26. Repeat this process for the remaining stud (A) Fig. 25, on the other side of the disc sander.

4. Align the table lock rail (C) Fig. 27, on the disc sander table, with the grooves in the table clamps (B).

5. Place a 7/16" flat washer (C) Fig. 28, onto each stud, then a 1/2" spring (D), thread the disc table lock handle (E) onto right side stud and tighten securely to hold the disc sander table in place.

⚠WARNING THE EDGE OF THE TABLE MUST BE POSITIONED THE PROPER DISTANCE AWAY FROM THE SANDING DISC TO AVOID TRAPPING THE WORK OR FINGERS BETWEEN THE TABLE AND SANDING DISC. PLEASE SEE THE SECTION "ABRASIVE DISC".

6. Align the hole in the pointer (A) Fig. 29, with the tapped hole (D) in the the left side table clamp.

7. Insert a 1/4-20x1/4" round head screw (B) Fig. 29, through the hole in the pointer and thread into the table clamp and tighten securely.

8. Thread the disc table lock handle (E) Fig. 28 onto left side stud and tighten securely to hold the disc sander table in place.

Fig. 25

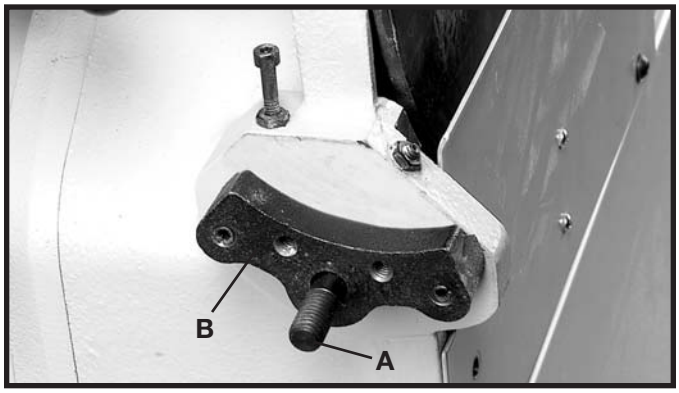

Fig. 26

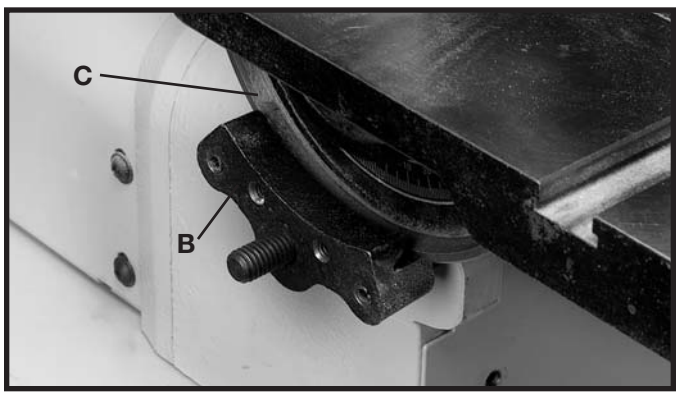

Fig. 27

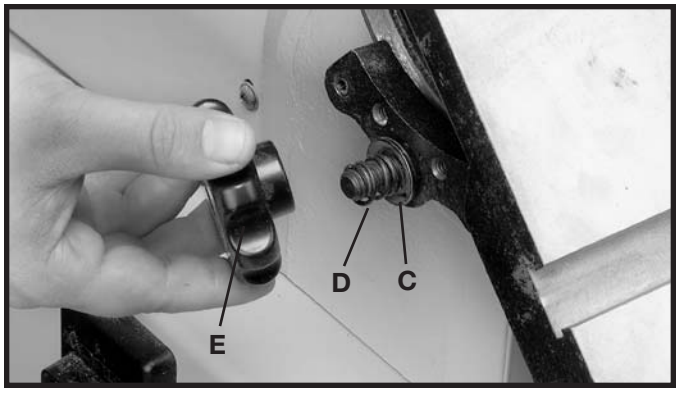

Fig. 28

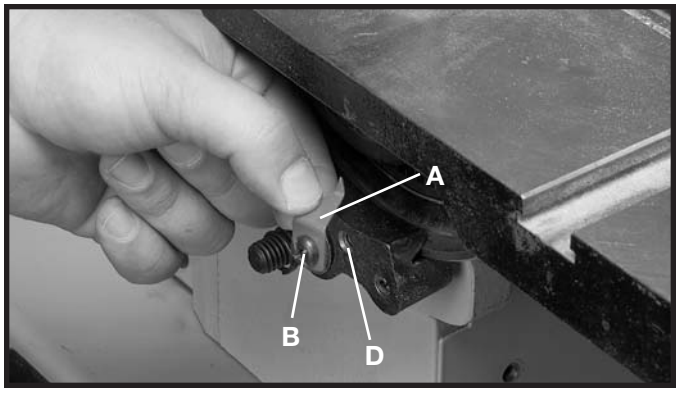

Fig. 29

ABRASIVE DISC

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Make certain the disc assembly (A) Fig. 30, is clean, dry, and free of any oil or grease.

3. Separate and fold back approximately half of the adhesive backing from the abrasive disc (C) Fig. 30, supplied with the machine. Insert the abrasive disc (C), with the backing, between the table, and disc assembly (A), as shown in Fig. 30, and press the top half of the adhesive disc (C), in position.

4. Manually turn the disc assembly (A) Fig. 31, and remove the paper backing from the abrasive disc (C), and firmly press the abrasive disc onto disc assembly (A).

⚠WARNING MAKE CERTAIN THE ABRASIVE DISC (C), IS SECURELY IN POSITION BEFORE APPLYING POWER TO THE MACHINE.

⚠WARNING THE EDGE OF THE TABLE MUST BE POSITIONED A MAXIMUM OF 1/16 INCH AWAY FROM THE SANDING DISC TO AVOID TRAPPING THE WORK OR FINGERS BETWEEN THE TABLE AND SANDING DISC.

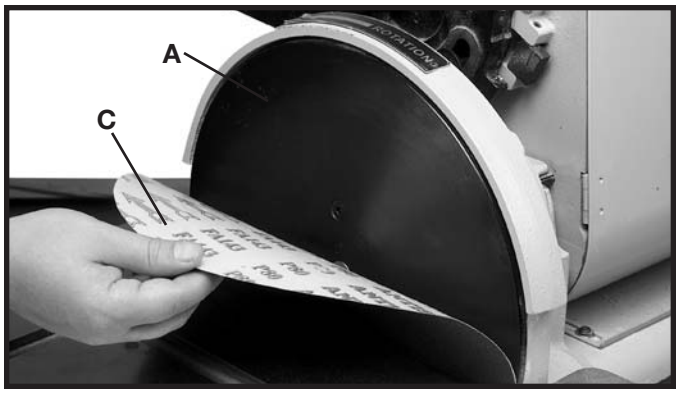

Fig. 30

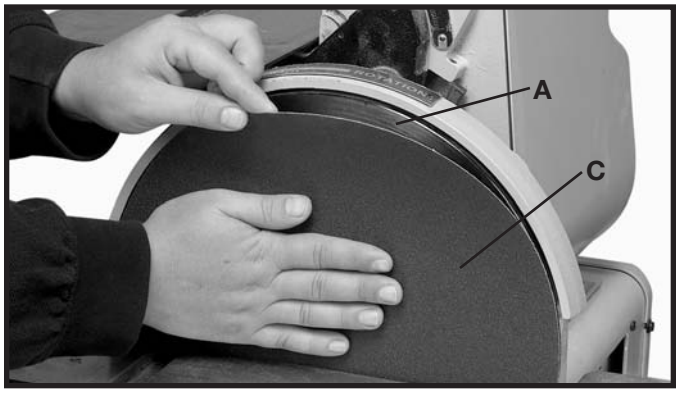

Fig. 31

DUST COLLECTOR BAG

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Insert the dust collector bag hanger (A) Fig. 32 into the two holes (B) in the top of the cabinet.

3. Place the end of the dust collector bag (C) Fig. 33, over the dust collector hanger (A).

4. Place a hose clamp (D) Fig. 34, over the intake port of the dust collector bag (C). Slide the intake port of the dust collector bag over the dust chute (E) of the dust collector. Tighten the hose clamp around the dust collector intake port on the bag (C) and the dust chute (E) of the dust collector.

NOTE: MAKE SURE TO REVIEW THE SECTION "DUST PORT COVER" WHEN OPERATING THE DUST COLLECTOR.

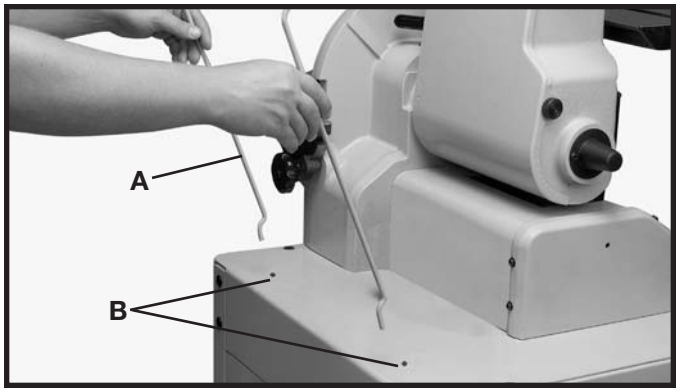

Fig. 32

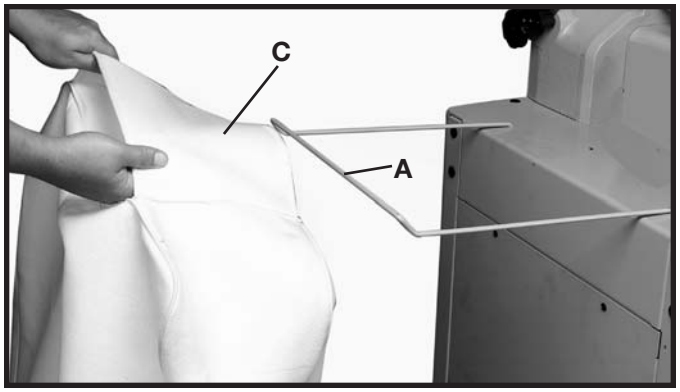

Fig. 33

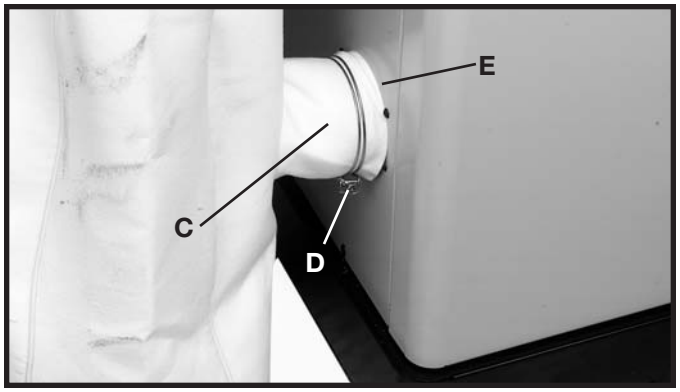

Fig. 34

OPERATING CONTROLS AND ADJUSTMENTS

STARTING AND STOPPING THE ABRASIVE FINISHING MACHINE

To start the machine, push “START” button (A) Fig. 35. To stop the machine, push “STOP” button (B).

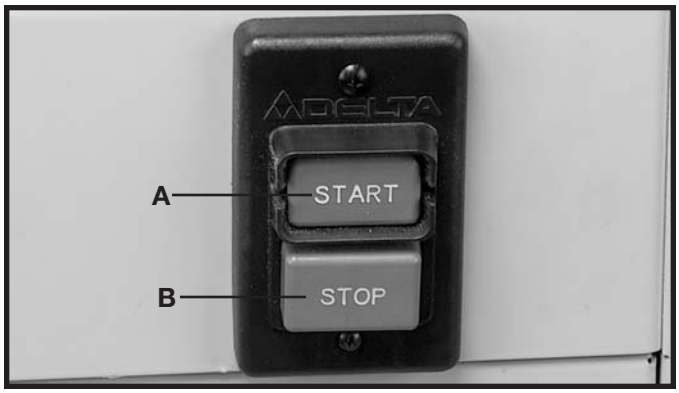

Fig. 35

LOCKING SWITCH IN THE “OFF” POSITION

IMPORTANT: When the machine is not in use, the switch should be locked in the OFF position using a padlock (C) Fig. 36, with a 3/16" diameter shackle to prevent unauthorized use.

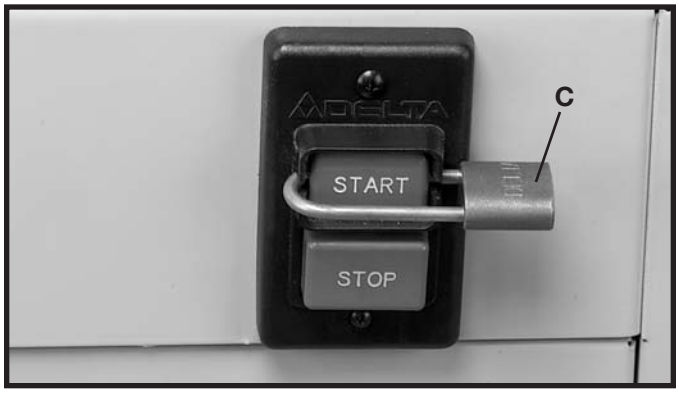

Fig. 36

ADJUSTING TENSION AND TRACKING OF SANDING BELT

CAUTION YOUR MACHINE IS SHIPPED WITHOUT BELT TENSION APPLIED TO THE SANDING BELT. BEFORE OPERATING THE MACHINE IT IS VERY IMPORTANT TO INSURE THAT THE BELT IS TRACKING CORRECTLY AND IT IS PROPERLY TENSIONED. PROCEED AS FOLLOWS:

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Loosen the two lock knobs (A) Fig. 37, and remove the top cover (B).

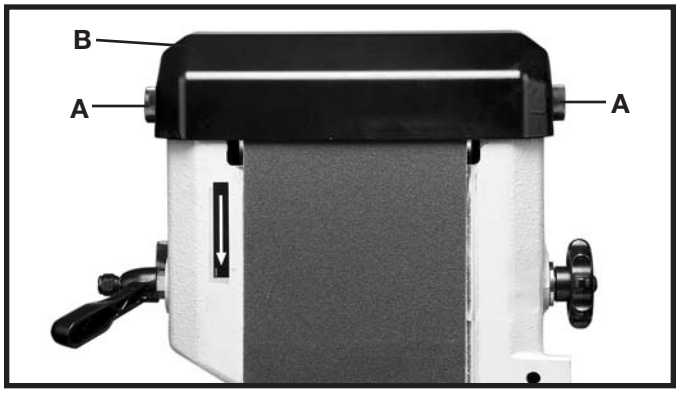

Fig. 37

3. Turn the belt tension handle (C) Fig. 38, counter-clockwise to increase belt tension. Correct tension is determined by two things:

(1) The belt should be flat on the platen.

(2) The belt should be sufficiently tensioned to prevent slipping on very heavy work. For ordinary work, a tension just sufficient to take the curl out of the belt is recommended.

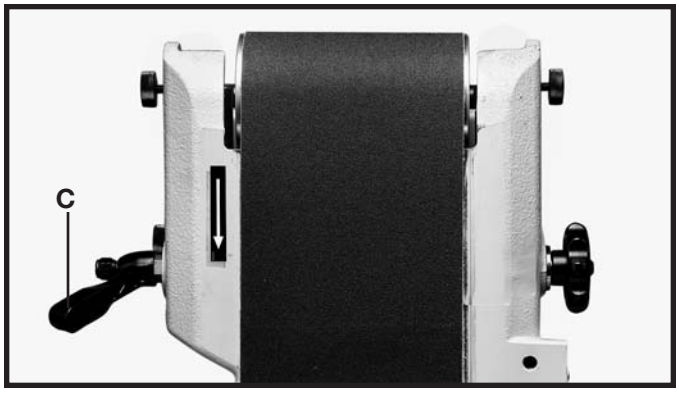

Fig. 38

4. Rotate the belt by hand, and tighten or loosen tracking knob (E) Fig. 39, until the belt is running true on the pulleys.

5. Jog the machine on and off to confirm the belt is tracking properly. If the belt is leading to one side or the other, very gently turn the tracking knob (E) Fig. 39, clockwise to move the belt toward the adjusting screw and counterclockwise to move the belt away from the adjusting screw while jogging the machine on and off.

6. A final adjustment can be made with the motor running. **THIS ADJUSTMENT IS USUALLY VERY SLIGHT.** After the belt is tracking properly, disconnect the machine from the power source, and replace the top cover that was removed in **STEP 2.**

NOTE: After a long period of time, adjustments may be necessary to maintain the tension and tracking of the sanding belt. If the belt will not hold its tension, tighten the set screw (G) Fig. 40. If the belt will not hold its tracking, tighten the set screw (F) Fig. 40. Make only small adjustments to these screws. Over-tightening will lock the tension lever and/or the tracking knob.

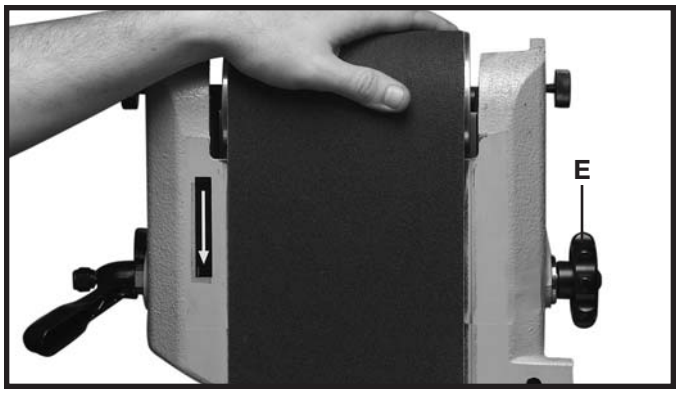

Fig. 39

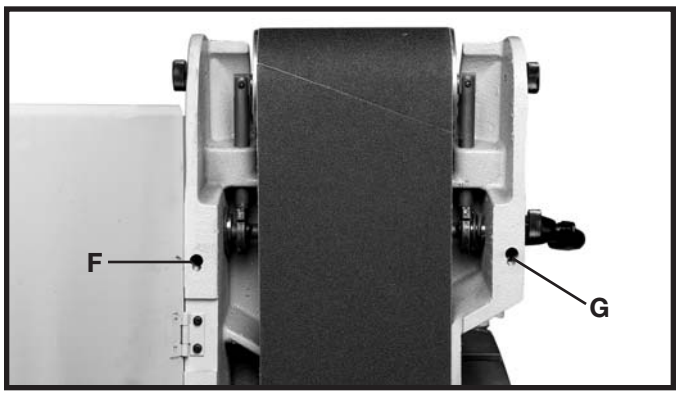

Fig. 40

SANDING BELT TABLE 90 DEGREES TO BELT

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Loosen the table tilting ratchet lever (A) Fig. 41, rotate the stop (B) to the left, and rotate the table (C) Fig. 42 until the trunnion (D) Fig. 41 contacts the stop (B). Tighten the lock handle (A). **NOTE:** The lock handle (A) is spring-loaded and can be repositioned by pulling out the handle, moving it, and letting it spring back into position.

3. Place a square (E) Fig. 42 on the table against the belt. See if the table is 90 degrees to the belt.

4. To adjust, loosen the table tilting lock handle (A) Fig. 41. Turn the adjusting screw (F) in or out until table is 90 degrees to the belt.

5. Tighten the lock handle (A) Fig. 41.

6. The adjusting screw (F) Fig. 41 ensures that the belt table can rapidly return to the 90 degree position after the table has been tilted.

7. Adjust the pointer, if necessary.

8. The same procedure is followed when adjusting the table to stop at the 45 degrees position.

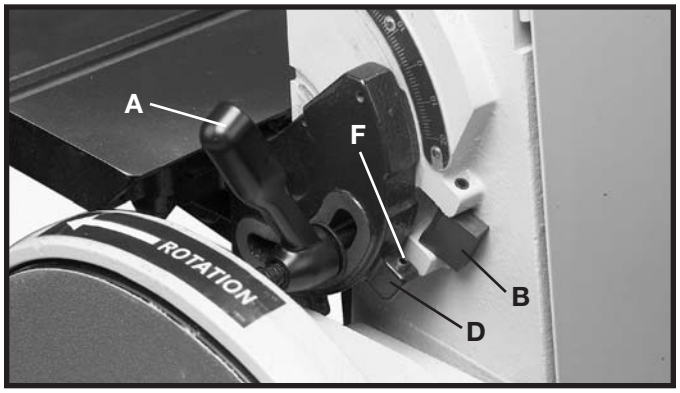

Fig. 41

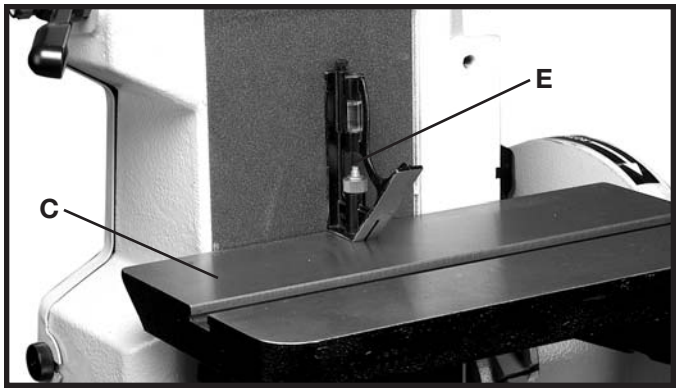

Fig. 42

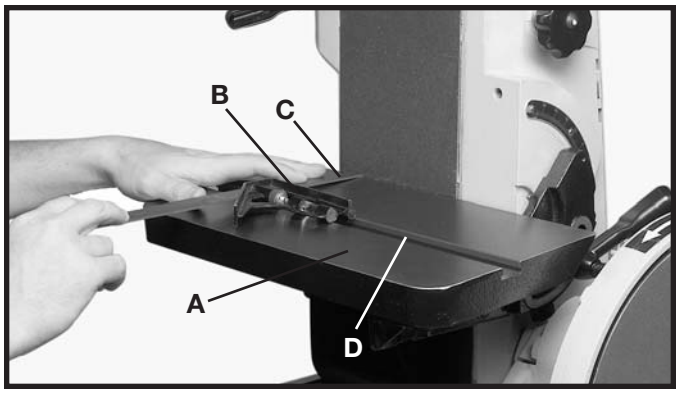

Fig. 43

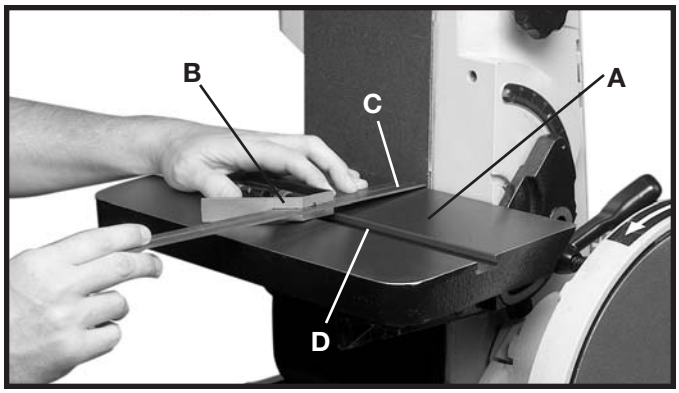

Fig. 44

MITER GAUGE SLOT ON BELT SANDER TABLE PARALLEL TO SANDING BELT

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Position the table (A) (Figs. 43 and 44) 90 degrees to the belt. Place a square (B) in the miter gauge slot with the blade (C) of the square touching the sanding belt. Check the opposite end of the belt to see if the miter gauge slot (D) is parallel to the belt.

3. To adjust, loosen the three (3) screws (E) Fig. 45, located underneath the table. Move the table (A) until the miter gauge slot is parallel to the sanding belt. Tighten the three (3) screws (E).
NOTE: When making this adjustment, make sure that the table lock lever is tightened.

⚠WARNING MAINTAIN A MAXIMUM DISTANCE OF 1/16" BETWEEN THE SANDING BELT AND THE TABLE.

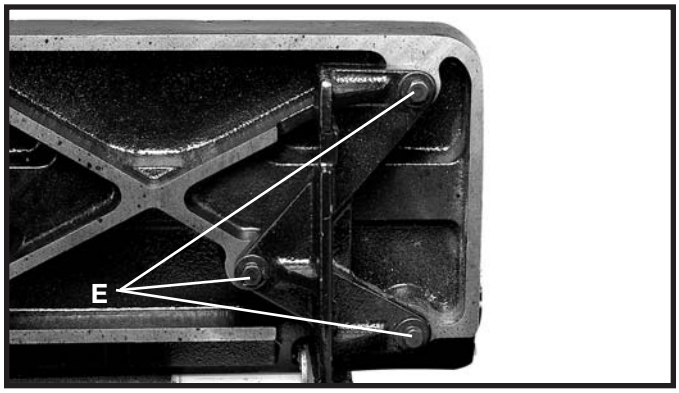

Fig. 45

CHANGING POSITION OF SANDING ARM

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. The sanding arm (A) can be used in the vertical position (Fig. 46), the horizontal position (Fig. 47), or any angle in between. Loosen the lock lever (B), position the arm (A) to the desired angle, and tighten the lock lever (B).

3. The top idler pulley cover (C) Figs. 46 and 47 can be removed to clear the workpiece when sanding in the horizontal position. For a long workpiece, lower the deflector plate (D) to clear the workpiece. Raise the deflector plate (D) to deflect saw dust when sanding a short workpiece.

NOTE: With the sanding arm (A) in the horizontal position (Fig. 47), use the table (E) or the accessory backstop to support the work.

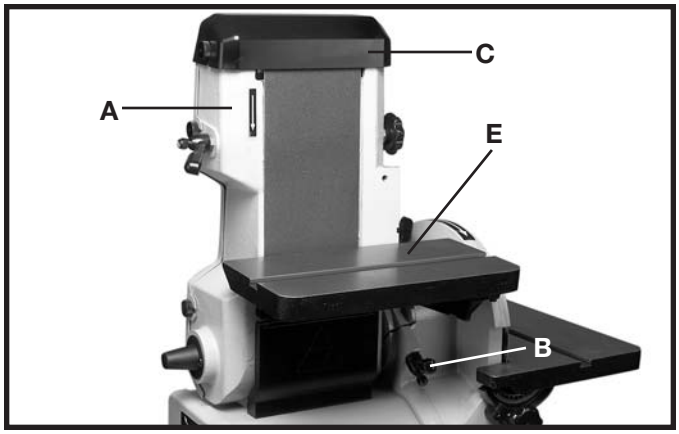

Fig. 46

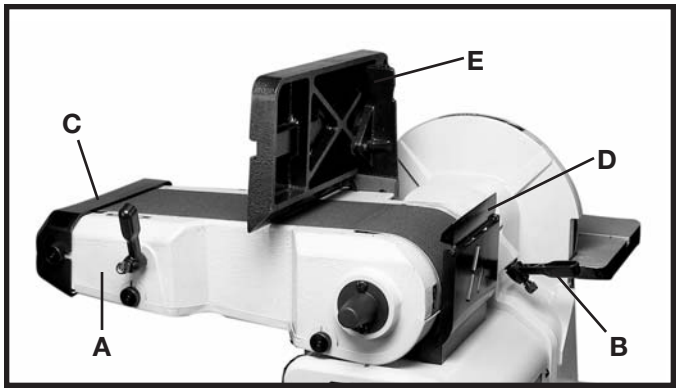

Fig. 47

SANDING DISC TABLE 90 DEGREES TO DISC

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Loosen the two disc table lock handles, the left one is shown at (A) Fig. 48, and move the table (B) until the it contacts the table stop screw (C) on the left side of the table. Tighten the lock handles.

3. Place a square (E) Fig. 49 on the table and against the sanding disc. See if the table is 90 degrees to the disc.

4. To adjust, loosen the lock handles (A) Fig. 48, and tighten or loosen the table stop screw (C) Fig. 48 until the table is 90 degrees to the disc.

5. Adjust sanding disc table pointer, if necessary

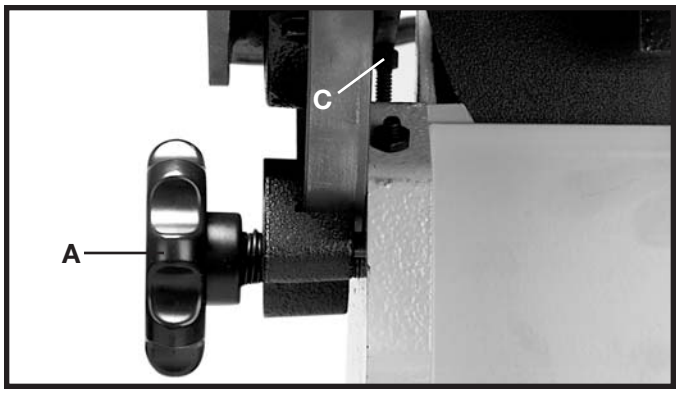

Fig. 48

TILTING THE DISC SANDER TABLE

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. To tilt the table, loosen the disc table lock handles, one of which is shown at (A) Fig. 48, and move the table to the desired angle and tighten the lock handles.

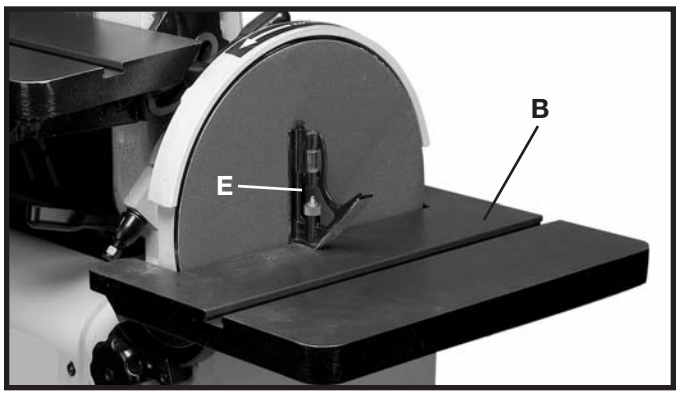

Fig. 49

DISC TABLE MITER GAUGE SLOT PARALLEL TO SANDING DISC

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. With the table (A) Fig. 50 positioned 90 degrees to the disc, place a square (B) in the miter gauge slot with the blade of the square touching the sanding disc.

3. Use a pencil to mark the disc where the square (B) Fig. 50 contacts the disc, and measure the distance from the disc to the miter gauge slot.

4. Rotate the disc to the other end of the table. Use a square to check the distance between the miter gauge slot and the mark on the disc made in **STEP 3**. Make sure that the distances are the same.

5. To adjust, loosen the four screws, on the table trunnions, two of which are shown at (D) Fig. 51. Adjust the table until the miter gauge slot is parallel to the disc. Tighten the four screws (D).
NOTE: When making this adjustment, make sure that the table lock handle is tightened.

⚠WARNING MAINTAIN A MAXIMUM DISTANCE OF 1/16" BETWEEN THE SANDING DISC AND THE TABLE.

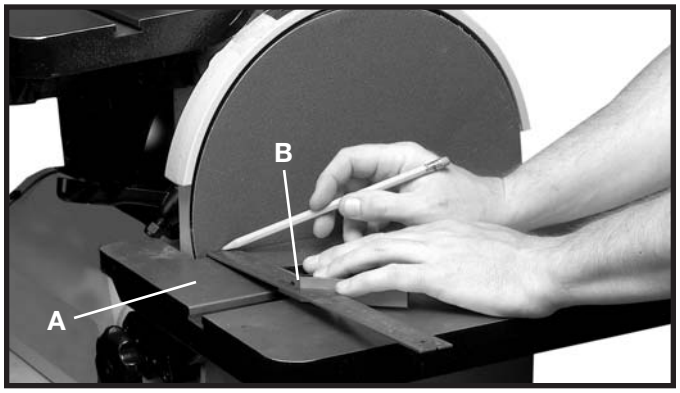

Fig. 50

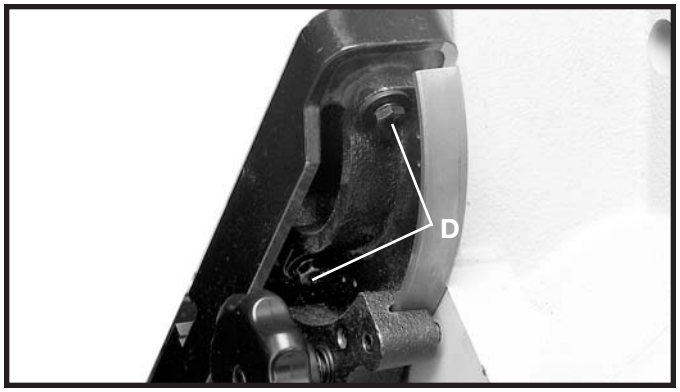

Fig. 51

DUST PORT COVER

The abrasive finishing machine is equipped with a manually operated dust port cover (A) Fig. 52, which must be adjusted to suit the sanding operation.

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. If you are sanding with the disc, push in on dust port cover (A) Fig. 52.

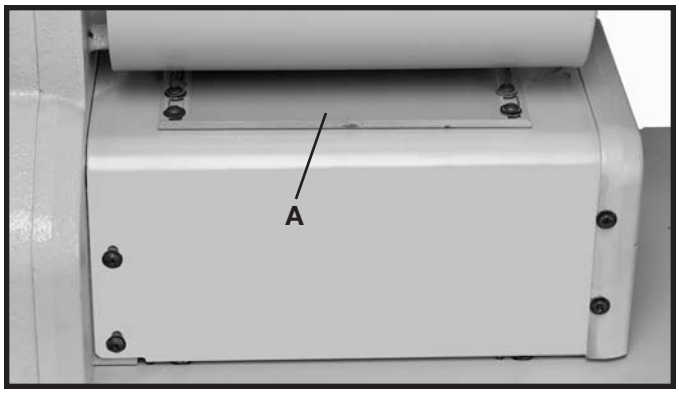

Fig. 52

3. If you are sanding on the belt, pull dust port cover (A) Fig. 53, outward.

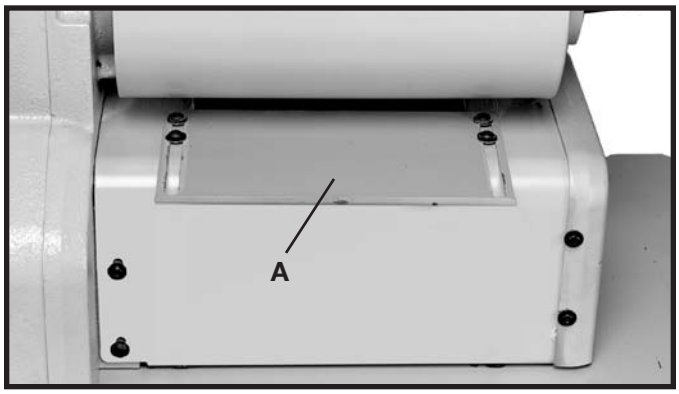

Fig. 53

OPERATIONS

ABRASIVE BELTS & DISCS - THEIR SELECTION AND USE

Delta supplies a wide range of belts and discs for use on your Belt and Disc Finishing Machine. These belts and discs are recommended for a wide range of work on wood, metals, plastics and other materials. However, when a large amount of production work of one kind is to be done, it is best to call in a coated abrasive specialist for specific belt and disc recommendations.

A wide variety of materials may be processed on a dry belt or disc. But for professional quality or for production work a low melting point grease should be used for cooler cutting, better finish, and for longer belt life. Even coarse belts will "load" when grinding aluminum dry, and so a lubricant should always be used for this material. To a varying degree, this is true of other non-ferrous metals like soft brass and zinc.

A grease stick is often applied to the belt or disc to prevent "loading" of the belt on softer materials especially aluminum. When grinding steel or some kinds of plastic, the grease stick is often used to prevent over-heating of the work piece. Many times a single belt is used for both stock removal and for finish, just by lubricating one half of the belt with light grease for stock removal and the other side or half of the belt with a heavy grease for polishing to bring out a good finish. This can be done only when the parts are very small and need not be moved across the face of the belt.

When an abrasive belt smaller than 6" is desired, the 6" belt can be split. This can be done by turning the belt inside out and with a knife or other sharp instrument cut a slot in the belt at the desired width. Then proceed to tear the belt.

CAUTION **ONLY TEAR THE BELT A FEW INCHES AT A TIME ONE WAY THEN REVERSE THE TEARING ACTION. THIS METHOD WILL REDUCE THE TENDENCY OF THE BELT TO UNRAVEL.**

For certain applications, a mist coolant attachment (not supplied by Delta) will be helpful. If the use of a mist coolant causes the Abrasive Belt to slip on the lower drive pulley, this can be corrected by using a "tire" which can be homemade by wrapping the pulley with a piece of coated abrasive belt. The grit is, of course, turned to the outside and cement should be used sparingly to avoid lumps under the "tire."

SURFACING OR EDGE SANDING WITH SANDING BELT

When surfacing (see Fig. 54), or edge sanding (see Fig. 55), the sanding arm is in the horizontal position and the table (A) Fig. 54 and Fig. 55, must always be used to prevent the workpiece from being carried along the belt. Always hold the workpiece firmly, keeping your fingers away from the sanding belt. Always keep the end of the workpiece against the table and move the workpiece evenly across the sanding belt. Apply only enough pressure to allow the sanding belt to remove material. Use extra caution when sanding very thin pieces.

⚠WARNING **THE EDGE OF THE TABLE MUST BE POSITIONED A MAXIMUM OF 1/16 INCH AWAY FROM THE SANDING BELT TO AVOID TRAPPING THE WORK OR FINGERS BETWEEN THE TABLE AND SANDING BELT.**

Fig. 54

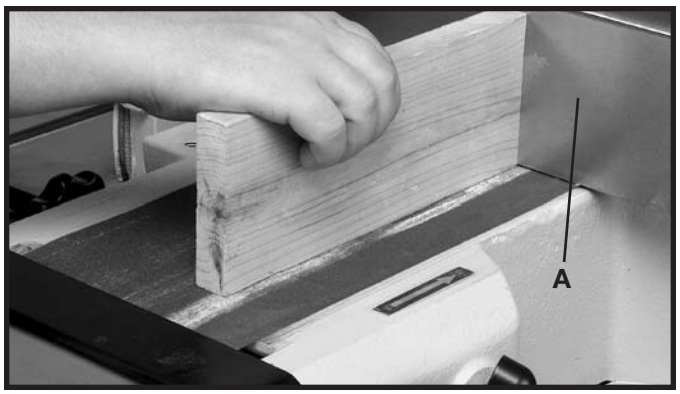

Fig. 55

SANDING INSIDE CURVES

1. **⚠WARNING** **DISCONNECT MACHINE FROM POWER SOURCE.**

2. Loosen the two lock knobs (A) Fig. 37, and remove the top cover (B).

3. Inside curves can be sanded on the top sanding drum, as shown in Fig. 56.

⚠WARNING **REPLACE THE TOP COVER (A) FIG. 37, WHEN SANDING INSIDE CURVES IS COMPLETE.**

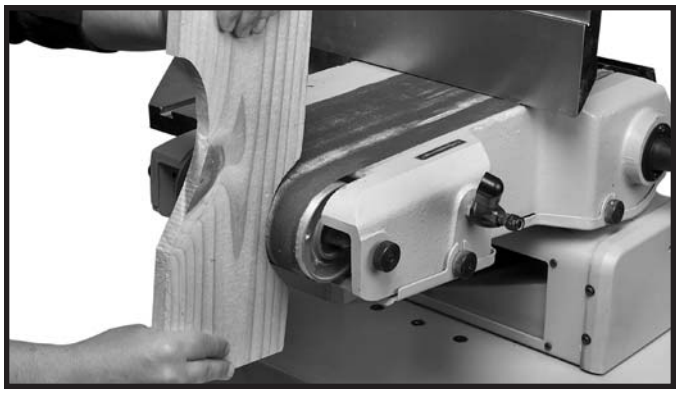

Fig. 56

END SANDING WITH THE BELT

When sanding the ends of wide workpieces it is more convenient to use the sanding belt with the sanding arm in the vertical position as shown in Fig. 57.

⚠WARNING THE EDGE OF THE TABLE MUST BE POSITIONED A MAXIMUM OF 1/16 INCH AWAY FROM THE SANDING BELT TO AVOID TRAPPING THE WORK OR FINGERS BETWEEN THE TABLE AND SANDING BELT.

Fig. 57

SANDING OUTSIDE CURVES

Outside curves should be sanded on the sanding disc as shown in Fig. 58.

⚠WARNING ALWAYS SAND ON THE LEFT (DOWNWARD) SIDE OF THE SANDING DISC, AS SHOWN. SANDING ON THE RIGHT (UPWARD) SIDE OF THE SANDING DISC COULD CAUSE THE WORKPIECE TO FLY UP WHICH COULD BE HAZARDOUS.

⚠WARNING THE EDGE OF THE TABLE MUST BE POSITIONED A MAXIMUM OF 1/16 INCH AWAY FROM THE SANDING DISC TO AVOID TRAPPING THE WORK OR FINGERS BETWEEN THE TABLE AND SANDING DISC.

Fig. 58

END SANDING WITH THE DISC

When sanding the ends of narrow workpieces use the sanding disc, as shown in Fig. 59. Move the work from the center to the left side of the sanding disc.

⚠WARNING ALWAYS SAND ON THE LEFT (DOWNWARD) SIDE OF THE SANDING DISC, AS SHOWN. SANDING ON THE RIGHT (UPWARD) SIDE OF THE SANDING DISC COULD CAUSE THE WORKPIECE TO FLY UP WHICH COULD BE HAZARDOUS.

⚠WARNING THE EDGE OF THE TABLE MUST BE POSITIONED A MAXIMUM OF 1/16 INCH AWAY FROM THE SANDING DISC TO AVOID TRAPPING THE WORK OR FINGERS BETWEEN THE TABLE AND SANDING DISC.

Fig. 59

CIRCLE SANDING WITH DISC

A circle sanding attachment is supplied with the sander. It enables the operator to sand circles up to 24" in diameter. Follow the guidelines below to attach and operate the circle sanding attachment.

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Insert the stop block (A) Fig. 60 into the slot in the sanding disc table. Line up the end of the outside edge (B) of the block to the diameter of the circle shown on the scale. Tighten the screw in the stop block with a 5/32 hex wrench (C) to hold the block (A) in place.

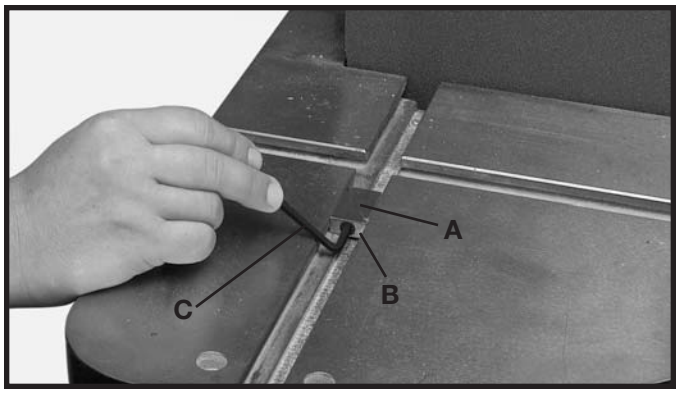

Fig. 60

3. Insert the guide pin (D) Fig. 61 into the center of the oversized rough cut circle (E).

4. Insert the guide pin (D) Fig. 61 into the slot (F) of the disc sander table. Rotate the workpiece (E) Fig. 62. continuously while sanding. A correctly sized circle is sanded when the guide pin (D) Fig.60 contacts the stop block, (A) Fig. 60.

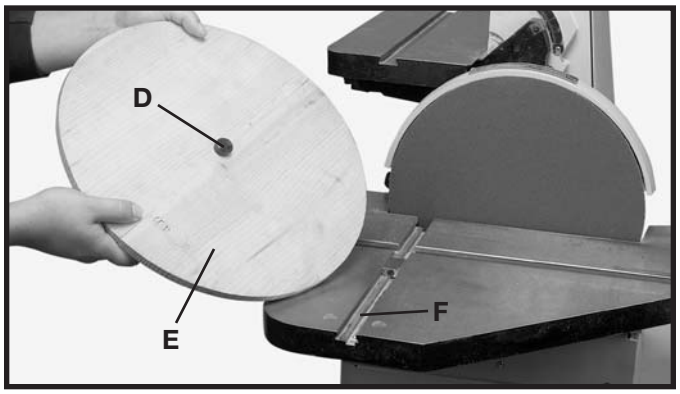

Fig. 61

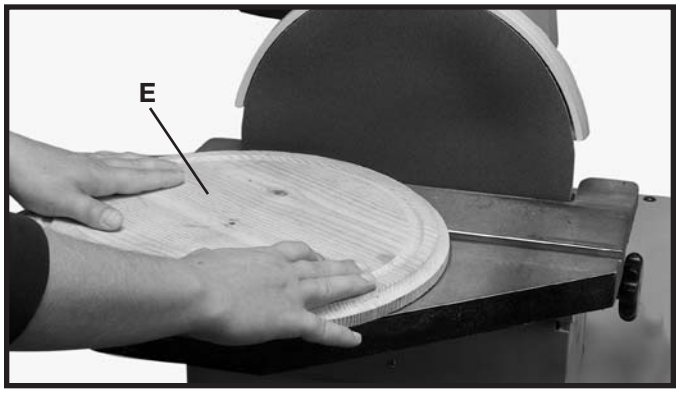

Fig. 62

5. When necessary, adjust the scale (F) Fig. 63 by loosening the two screws (G), adjusting the scale in or out, and tightening the two screws.

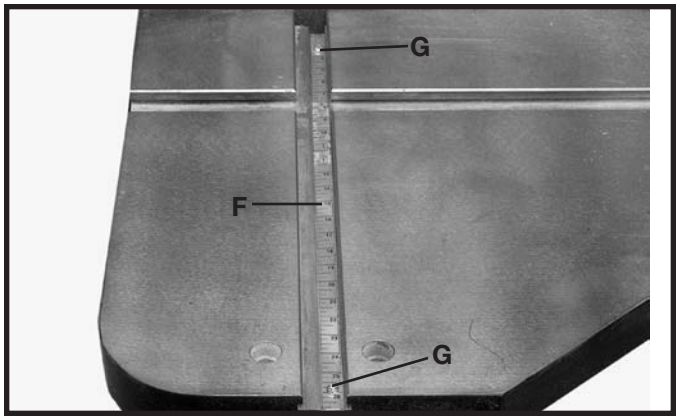

Fig. 63

MAINTENANCE

REPLACING SANDING BELT

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. Loosen the two lock knobs (A) Fig. 64, and remove the top cover (B).

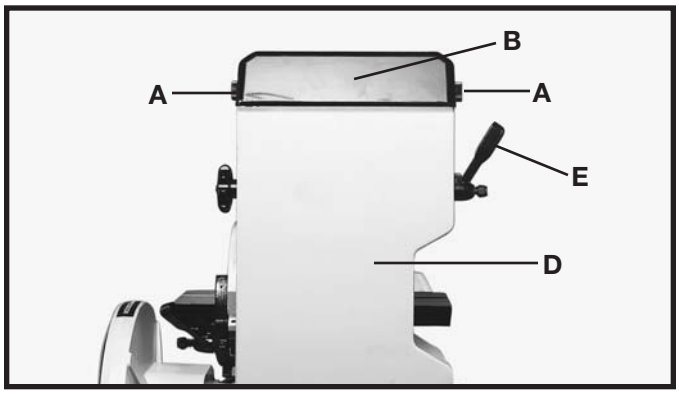

Fig. 64

3. Loosen the two lock knobs (C) Fig. 65 enough to allow the back panel (D) Figs. 64 and 65, to open. **NOTE:** The lock knobs (C) cannot be removed.

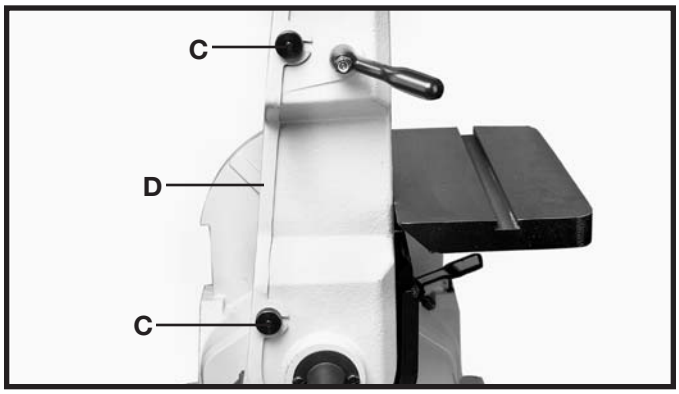

Fig. 65

4. Release the belt tension by turning the hand lever (E) Fig. 64. Slide the belt (F) Fig. 66 off of both sanding drums.

5. Slide the new sanding belt over both sanding drums. Ensure that the belt runs in the direction of the arrow, printed on the inside of the belt.

6. Apply tension to the sanding belt and replace the top cover removed in **STEP 2**.

7. Close the back panel (D) Figs. 64 and 65, and tighten the two lock knobs (C) Fig. 65 that were loosened in **STEP 3**.

8. Check the belt tracking before applying power to the sander.

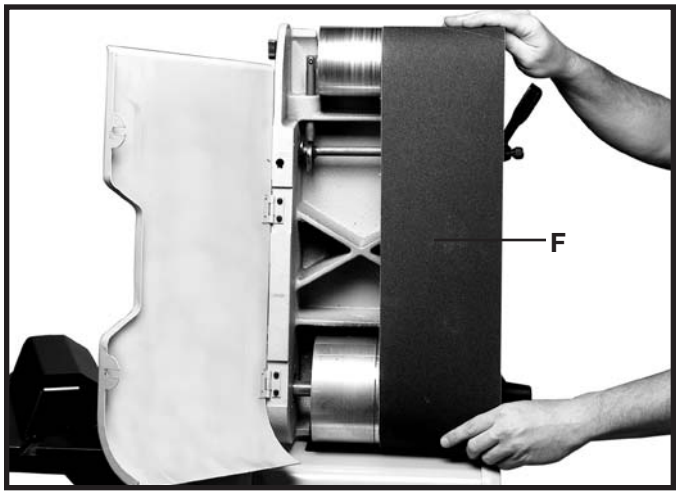

Fig. 66

REPLACING SANDING DISC

See the section **"ABRASIVE DISC"** in the **"ASSEMBLY"** section of this manual.

OVERLOAD PROTECTION

The motor supplied with your sander is equipped with a reset overload relay button (A) Fig. 67. If the motor shuts off or fails to start because of overloading (sanding too heavy, using a worn sanding belt or disc, using the sander beyond its capacity), or low voltage, turn the power switch to the “OFF” position. Let the motor cool three to five minutes and push the reset button (A) Fig. 67. Start the motor.

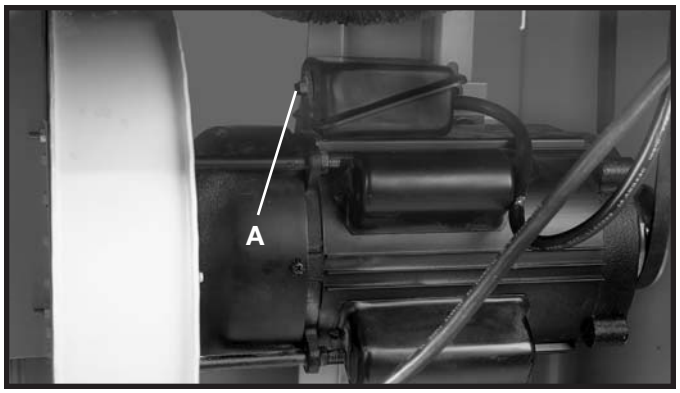

Fig. 67

ACCESSORIES

POWER TAKE-OFF SHAFT

1. **⚠WARNING DISCONNECT MACHINE FROM POWER SOURCE.**

2. A power take-off shaft is provided on the lower end of the sanding belt arm to accommodate accessories.

3. For access to the power take-off shaft, remove the two screws (B) Fig. 68, and cover (C).

4. Fig. 69 shows the power take-off shaft (A).

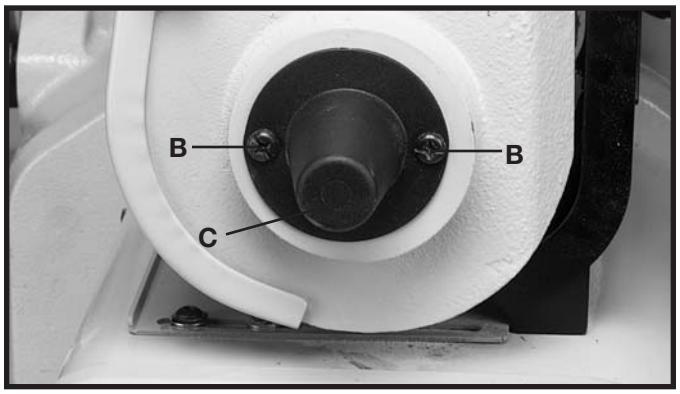

Fig. 68

⚠WARNING UNGUARDED ROTATING SHAFTS (A) FIG 69 CAN CREATE AN ENTANGLEMENT HAZARD. ALWAYS COVER THE POWER TAKE-OFF SHAFT WHEN NOT USING ACCESSORIES.

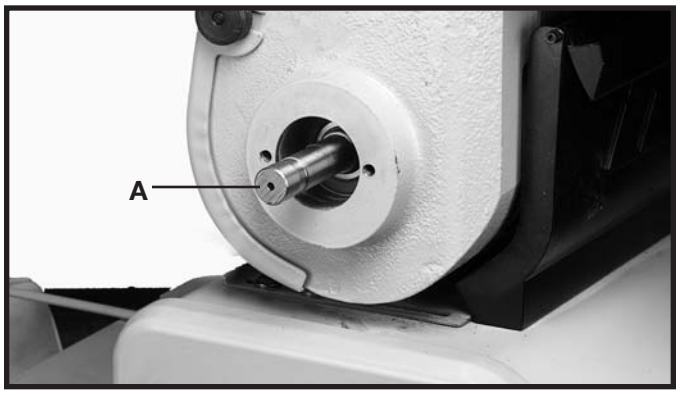

Fig. 69

A complete line of accessories is available from your Delta Supplier, Porter-Cable • Delta Factory Service Centers, and Delta Authorized Service Stations. Please visit our Web Site **www.deltamachinery.com** for a catalog or for the name of your nearest supplier.

⚠WARNING Since accessories other than those offered by Delta have not been tested with this product, use of such accessories could be hazardous. For safest operation, only Delta recommended accessories should be used with this product.

PARTS, SERVICE OR WARRANTY ASSISTANCE

All Delta Machines and accessories are manufactured to high quality standards and are serviced by a network of Porter-Cable • Delta Factory Service Centers and Delta Authorized Service Stations. To obtain additional information regarding your Delta quality product or to obtain parts, service, warranty assistance, or the location of the nearest service outlet, please call 1-800-223-7278 (In Canada call 1-800-463-3582).

Two Year Limited New Product Warranty

Delta will repair or replace, at its expense and at its option, any new Delta machine, machine part, or machine accessory which in normal use has proven to be defective in workmanship or material, provided that the customer returns the product prepaid to a Delta factory service center or authorized service station with proof of purchase of the product within two years and provides Delta with reasonable opportunity to verify the alleged defect by inspection. For all refurbished Delta product, the warranty period is 180 days. Delta may require that electric motors be returned prepaid to a motor manufacturer's authorized station for inspection and repair or replacement. Delta will not be responsible for any asserted defect which has resulted from normal wear, misuse, abuse or repair or alteration made or specifically authorized by anyone other than an authorized Delta service facility or representative. Under no circumstances will Delta be liable for incidental or consequential damages resulting from defective products. This warranty is Delta's sole warranty and sets forth the customer's exclusive remedy, with respect to defective products; all other warranties, express or implied, whether of merchantability, fitness for purpose, or otherwise, are expressly disclaimed by Delta.

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Fax: (614) 263-1238

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Authorized Service Stations are located in many large cities. Telephone **800-438-2486** or **731-541-6042** for assistance locating one. Parts and accessories for Porter-Cable·Delta products should be obtained by contacting any Porter-Cable·Delta Distributor, Authorized Service Center, or Porter-Cable·Delta Factory Service Center. If you do not have access to any of these, call **800-223-7278** and you will be directed to the nearest Porter-Cable·Delta Factory Service Center. Las Estaciones de Servicio Autorizadas están ubicadas en muchas grandes ciudades. Llame al **800-438-2486** ó al **731-541-6042** para obtener asistencia a fin de localizar una. Las piezas y los accesorios para los productos Porter-Cable·Delta deben obtenerse poniéndose en contacto con cualquier distribuidor Porter-Cable·Delta, Centro de Servicio Autorizado o Centro de Servicio de Fábrica Porter-Cable·Delta. Si no tiene acceso a ninguna de estas opciones, llame al **800-223-7278** y le dirigirán al Centro de Servicio de Fábrica Porter-Cable·Delta más cercano.

CANADIAN PORTER-CABLE • DELTA SERVICE CENTERS

ALBERTA
Bay 6, 2520-23rd St. N.E.
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Phone: (403) 735-6166
Fax: (403) 735-6144

BRITISH COLUMBIA
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Burnaby, B.C.
V5A 4T8
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